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ABSTRACT

Microfiche viewers and viewer-printers available in the United States in 1973 are described. General evaluation criteria are first discussed to assist the potential buyer in developing a frame of reference for making judgments. Following this, detailed specifications, including photographs of the equipment, are uniformly listed for each of the 92 models surveyed. Features discussed include: model name, lenses available, fiche size accepted, screen size, screen type, positioning controls, optical system, rated lamp life, additional features available at no extra cost, optional extra-cost accessories, warranty period, list price, and discounts offered. Additional information is provided for those viewers capable of printing full-sized paper copies, including the process used, print speed, print size and print cost. (PB)

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AD-767 500

MICROFICHE VIEWING EQUIPMENT GUIDE

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Directorate of Development

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20. ABSTRACT *(Continue on reverse side if necessary and identify by block number)*

A descriptive directory of microfiche viewers and viewer-printers that are manufactured or distributed in the United States through mid-1973. General evaluation criteria have been outlined to assist the potential buyer.

Detailed specifications, features, and photographs are uniformly listed for each of the 92 models surveyed.

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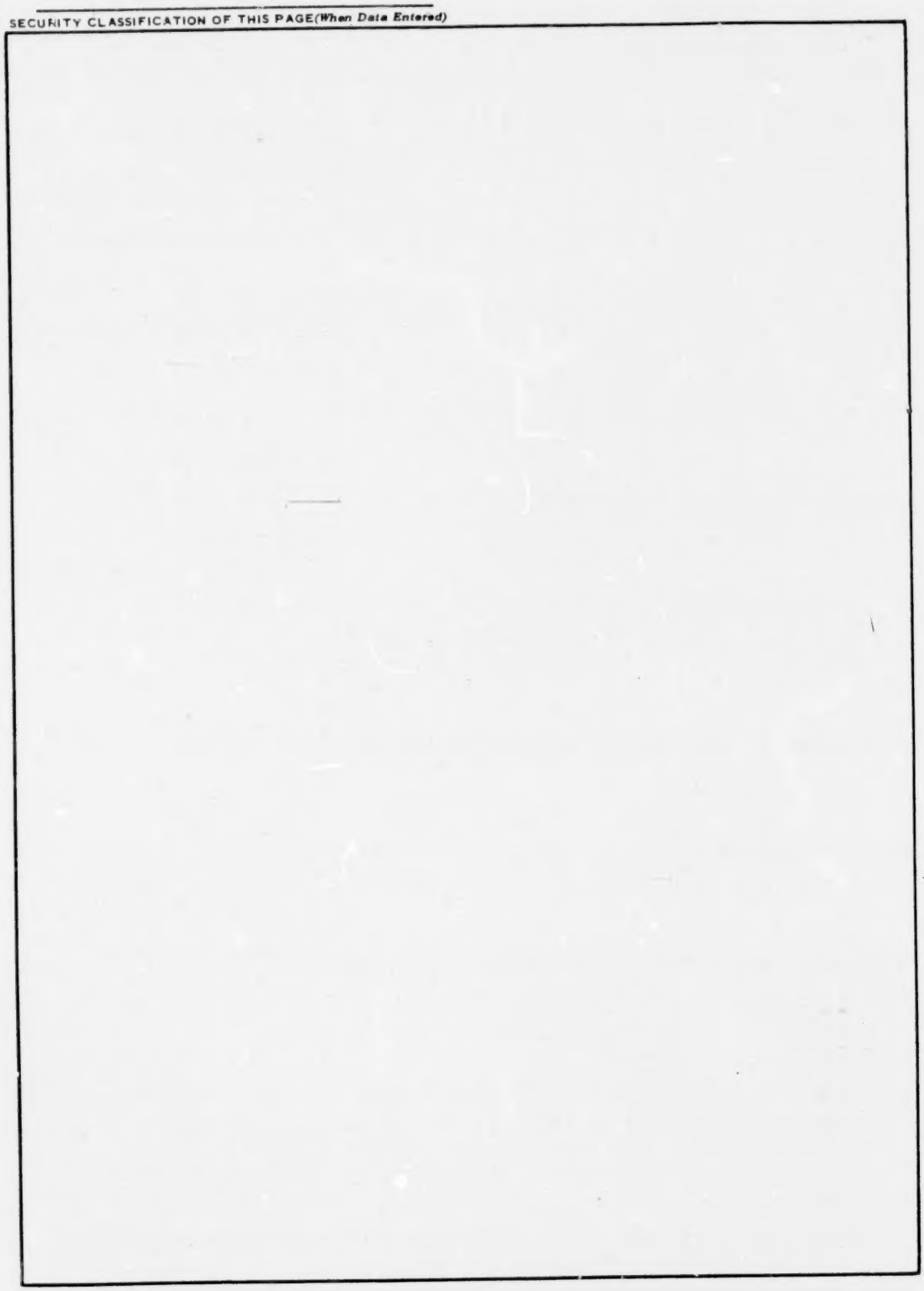

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PREFACE

The Defense Documentation Center (DDC), a major producer of microfiche for the Department of Defense (DoD) and its contractors, has published this equipment guide in an effort to assist the users and potential users of microfiche. This report updates and supersedes AD 734 400 that was published in December 1971.

Information about currently available microfiche viewing equipment was requested from all known viewer manufacturers and/or distributors located in the United States. The prices and related data included in this guide were supplied by cooperating companies and were current in June 1973. Features and specifications have been uniformly listed to aid comparison of the viewers and viewer-printers surveyed. The inclusion or exclusion of a product shall not be interpreted as an endorsement or criticism of that product by the U.S. Government.

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HERMAN W. MILES
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INTRODUCTION

"Microfiche," as defined by the National Microfilm Association* (NMA), is a sheet of microfilm containing multiple microimages in a grid pattern and a header information area which can be read without magnification. The most widely used microfiche standard in the United States is the 98-frame NMA format at a 24:1 reduction ratio. The above standard fiche, which measures 105mm x 148mm (approximately 4" x 6") in size, is described in detail in NMA's newly published standard MS5-1972. American National Standards Institute** (ANSI) has published a standard entitled, "Specifications for Microfiches" (PH5.9-1970) that incorporates the NMA format and also a 20X 60-frame format. In an effort to further standardization, COSATI voted in 1971 to abandon the 20X format in favor of the NMA 24X 98-frame format. Most Government producers of fiche (including DDC) have now switched to the NMA format. Ultrafiche at reduction ratios ranging from 100X to 210X have not been officially standardized.

Many new microfiche applications are now being produced on Computer-Output-Microfilm (COM) equipment. COM recorders have the capability to expose 105mm fiche (or roll film) directly from computer magnetic tape at speeds up to 1,200 pages per minute. Some available units provide "ready to use" data by developing the fiche within the same device; output from others must be developed in a separate film processor. The NMA has published a COM standard (MS2-1971) that establishes the effective reduction ratio at 24X, however, fiche formats at 42X and 48X have become commonplace. The Department of Defense (DoD), for example, recently standardized on 48X for its COM-produced Federal Catalogs. The 48X format at 270 frames per fiche contains 62 frames more than the similar 42X version. Large-scale use of the higher compacted DoD fiche will probably cause an early death of the nonstandard 42X format.

This updated microfiche viewer and viewer-printer compendium has been published so that DDC microfiche users and others may keep astride of the rapidly advancing state of the art. Microform viewer manufacturers/distributors located in the United States were contacted in the gathering of descriptive materials; only those models selected by cooperating companies have been included. Information and photographs of new viewer models are solicited and should be sent to DDC for inclusion in future equipment publications.

User objectives should be adequately defined for proper appraisal of viewing equipment features. Some of the requirements to be considered are: microform flexibility, use frequency, portability, ambient light conditions, and hard copy printout needs. To assure full acceptance of microfiche, careful attention should be paid to human-engineered equipment features. Controls should be easy to use; film loading should be simple; and projected images should be bright, sharp, and glare free.

---

*National Microfilm Association, Suite 1101, 8728 Colesville Road, Silver Spring, Maryland 20910.

**American National Standards Institute, 1430 Broadway, New York, New York 10018.

To properly evaluate these and other subjective factors, one should try his own microfiche on prospective equipment. Some important characteristics to look for in microfiche viewing equipment are listed below; they are, however, not necessarily listed in order of importance.

- Constant Frame-to-Frame Focus
- Full-Page Viewing
- Long Lamp Life
- Uniform Screen Brightness
- Uniform Across-Section Focus
- Easy Frame-to-Frame Scanning
- Convenient Loading and Unloading
- Easy-to-Reach Controls
- Image Rotation Provision
- Low Operating Temperature
- Convenient Lamp Replacement
- Low Noise Level
- Variable Light Control
- Nonglare Screen
- Frame Location Index
- Vibration-Free Image

Look for the following viewer-printer characteristics as well as those listed above:

- Sharp Contrasting Prints
- Fast Printing Cycle
- Print Curl and Fade Resistance
- Long Paper Shelf Life
- Easy Paper Loading
- Jam-Proof Operation
- Low Copy Cost

Equipment descriptions used throughout have been arranged in a standard format to aid comparison. Manufacturer names appear alphabetically with the products of each in ascending order of price. A full-page photograph and detailed description are provided for each unit. An explanation of the feature terms used follows:

MODEL - The name and/or number supplied by the manufacturer for viewer identification.

LENSES AVAILABLE - Most viewer models offer a choice of lenses but are normally supplied with only one. The lens (magnification) selected should be relatively close to the reduction ratio of the microfiche in use.

FICHE SIZE ACCEPTED - The maximum outside dimension of a microfiche or jacket that is accommodated in the unit's glass flat or film carrier.

SCREEN SIZE - Selection of screen size (and lens) should closely simulate the size of the original document.

SCREEN TYPE - Most microfiche viewer screens are of the rear projection type; images are projected to the rear and through a translucent screen. Reflective opaque screens are used in the front projection models.

POSITIONING CONTROLS - Description of the microfiche carrier mechanism that positions the image on the screen.

OPTICAL SYSTEM - Pertinent information concerning lenses, lamps, etc., is described.

RATED LAMP LIFE - The cumulative amount of time that a projection lamp can be expected to last in the equipment.

OTHER FEATURES - Additional features provided with basic unit at no cost.

ACCESSORIES - Optional extra-cost items that are offered to increase versatility or convenience.

WARRANTY PERIOD - The period of time a manufacturer guarantees to the original owner that the unit is free of manufacturing defects. Equipment failure due to misuse or accident and lamps are usually excluded from the warranty. Repair work, which normally includes parts and labor, is accomplished without charge.

LIST PRICE - The price listed is for a single unit as of June 1973 (quantity orders are usually discounted).

GSA SCHEDULE - The Federal Government's discount price for a single unit available through the General Services Administration. Further discounts are common for quantity orders.

READER-PRINTER - Additional information is provided for those viewers capable of printing full-size paper copy.

BELL & HOWELL COMPANY Briefcase Reader

MANUFACTURER/DISTRIBUTOR
Bell & Howell Company

ADDRESS
6800 McCormick Road
Chicago, Illinois 60645

MODEL
Briefcase Reader

LENSES AVAILABLE
Nominal 20X

FICHE SIZES ACCEPTED
4" x Any Length

SCREEN SIZE
6 5/8" x 9"

SCREEN COLOR
Gray

SCREEN TYPE
Fresnel or Polacoat
Rear Projection

POSITIONING CONTROLS
Thumb Turn Slide

OPTICAL SYSTEM
Lens and Condenser

RATED LAMP LIFE
500 Hours

POWER REQUIREMENT
117 VAC 60 Hz

CONSTRUCTION MATERIAL
High Impact Plastic

WEIGHT AND DIMENSIONS
5 lbs.
Closed: 3 1/2" H, 9 3/8" W, 10 1/
Open: 6 1/2" H, 12 5/8" W, 10 1/2

OTHER FEATURES
Can be used as Wall Projector

ACCESSORIES
Briefcase
Desk Stand
12-Volt Adapter Cord

WARRANTY PERIOD
90 Days Service
1 Year Parts

LIST PRICE
$99.00

GSA SCHEDULE
6% Discount

READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST

BELL & HOWELL COMPANY Model SR V

MANUFACTURER/DISTRIBUTOR
Bell & Howell Company

ADDRESS
6800 McCormick Road
Chicago, Illinois 60645

MODEL
SR V

LENSES AVAILABLE
18X, 24X, 32X, 40X, or 48X

FICHE SIZES ACCEPTED
4" x 6" or 4" x 7 3/8"

SCREEN SIZE
5 1/2" x 8 1/2"

SCREEN COLOR
Gray

SCREEN TYPE
Fresnel

POSITIONING CONTROLS
Single Fingertip Control

OPTICAL SYSTEM
Floating Lens
Maintains Constant Focus

RATED LAMP LIFE
250 Hours

POWER REQUIREMENT
117 VAC 50/60 Hz

CONSTRUCTION MATERIAL
Steel and Aluminum

WEIGHT AND DIMENSIONS
18 lbs.
13" H, 9 1/2" W, 13 1/4" D

OTHER FEATURES
UL Approved

ACCESSORIES
Screen Hood Extension
Reader Turntable

WARRANTY PERIOD
90 Days Service
1 Year Parts

LIST PRICE
$125.00

GSA SCHEDULE
6% Discount

READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST

BELL & HOWELL COMPANY Model SR I

MANUFACTURER/DISTRIBUTOR
Bell & Howell Company

ADDRESS
6800 McCormick Road
Chicago, Illinois 60645

MODEL
SR I

LENSES AVAILABLE
18X, 24X, or 32X

FICHE SIZES ACCEPTED
4" x 6" or 4" x 7 3/8"

SCREEN SIZE
8 1/2" x 11"

SCREEN COLOR
Blue, Gray or Green

SCREEN TYPE
Nonglare, Rear Projection

POSITIONING CONTROLS
Single Fingertip Control

OPTICAL SYSTEM
Floating Lens
Maintains Constant Focus

RATED LAMP LIFE
500 Hours

POWER REQUIREMENT
117 VAC 50/60 Hz

CONSTRUCTION MATERIAL
Steel

WEIGHT AND DIMENSIONS
25 lbs.
18 1/2" H, 9 1/2" W, 16" D

OTHER FEATURES
Variable Light Control
UL Approved

ACCESSORIES
Floor Stand
Screen Hood Extension

WARRANTY PERIOD
90 Days Service
1 Year Parts

LIST PRICE
$159.00

GSA SCHEDULE
6% Discount

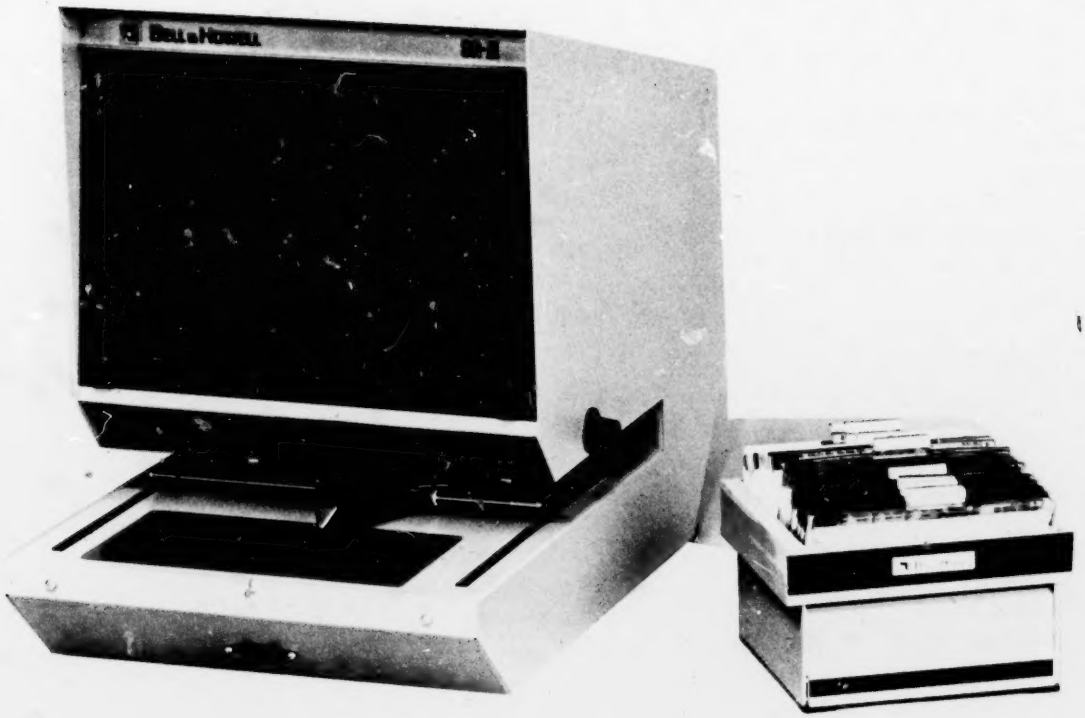
READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST



BELL & HOWELL COMPANY Model SR II

MANUFACTURER/DISTRIBUTOR
Bell & Howell Company

ADDRESS
6800 McCormick Road
Chicago, Illinois 60645

MODEL
SR II

LENSES AVAILABLE
18X, 24X, 32X, or 40X

FICHE SIZES ACCEPTED
4" x 6" or 4" x 7 3/8"
4" x 12" (Optional)

SCREEN SIZE
11" x 8 1/2"

SCREEN COLOR
Blue, Gray, or Green

SCREEN TYPE
Nonglare, Rear Projection

POSITIONING CONTROLS
Single Fingertip Control

OPTICAL SYSTEM
Floating Lens
Maintains Constant Focus

RATED LAMP LIFE
500 Hours

POWER REQUIREMENT
117 VAC 50/60 Hz

CONSTRUCTION MATERIAL
Steel and Aluminum

WEIGHT AND DIMENSIONS
24 lbs.
15" H, 12" W, 19" D

OTHER FEATURES
Automatic Opening Glass Flats
Variable Light Intensity
UL Approved

ACCESSORIES
Floor Stand, Reader Turntable, Screen Hood Extension, Dual Lens Capability

WARRANTY PERIOD
90 Days Service
1 Year Parts

LIST PRICE
Single Lens Model $170.00
Dual Lens Model $245.00

GSA SCHEDULE
6% Discount

READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST

BELL & HOWELL COMPANY Model SR IV

MANUFACTURER/DISTRIBUTOR
Bell & Howell Company

ADDRESS
6800 McCormick Road
Chicago, Illinois 60645

MODEL
SR IV

LENSES AVAILABLE
24X, 32X, 42X, or 50X

FICHE SIZES ACCEPTED
4" x 6" or 4" x 7 3/8"
4" x 12" (Optional)

SCREEN SIZE
15" x 11"

SCREEN COLOR
Blue, Gray, or Green

SCREEN TYPE
Nonglare, Rear Projection

POSITIONING CONTROLS
Single Fingertip Control

OPTICAL SYSTEM
Floating Lens
Maintains Constant Focus

RATED LAMP LIFE
500 Hours

POWER REQUIREMENT
117 VAC 50/60 Hz

CONSTRUCTION MATERIAL
Steel and Aluminum

WEIGHT AND DIMENSIONS
33 lbs.
19" H, 16 1/2" W, 25" D

OTHER FEATURES
Variable Light Intensity
Automatic Opening Glass Flats
UL Approved

ACCESSORIES
Floor Stand, Reader Turntable, Screen Hood Extension

WARRANTY PERIOD
90 Days Service
1 Year Parts

LIST PRICE
$265.00

GSA SCHEDULE
6% Discount

READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST

BELL & HOWELL COMPANY Model SR III

MANUFACTURER/DISTRIBUTOR
Bell & Howell Company

ADDRESS
6800 McCormick Road
Chicago, Illinois 60645

MODEL
SR III

LENSES AVAILABLE
24X, 32X, 42X, or 50X

FICHE SIZES ACCEPTED
4" x 6" or 4" x 7 3/8"
4" x 12" (Optional)

SCREEN SIZE
19" x 11"

SCREEN COLOR
Blue, Gray, or Green

SCREEN TYPE
Nonglare, Rear Projection

POSITIONING CONTROLS
Single Fingertip Control

OPTICAL SYSTEM
Floating Lens
Maintains Constant Focus

RATED LAMP LIFE
500 Hours

POWER REQUIREMENT
117 VAC 50/60 Hz

CONSTRUCTION MATERIAL
Steel and Aluminum

WEIGHT AND DIMENSIONS
35 lbs.
19" H, 19 3/4" W, 25" D

OTHER FEATURES
Variable Light Intensity,
Automatic Opening Glass Flats
UL Approved

ACCESSORIES
Floor Stand, Reader Turntable,
Screen Hood Extension, Dual
Lens Capability

WARRANTY PERIOD
90 Days Service
1 Year Parts

LIST PRICE
Single Lens Model $325.00
Dual Lens Model $385.00

GSA SCHEDULE
6% Discount

READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST

BELL & HOWELL COMPANY Reporter Reader-Printer

MANUFACTURER/DISTRIBUTOR
Bell & Howell Company

ADDRESS
6800 McCormick Road
Chicago, Illinois 60645

MODEL
Reporter Reader-Printer

LENSES AVAILABLE
16.5X, 18X, 21X, 24X, 32X, or 40X

FICHE SIZES ACCEPTED
Up to 6" x 6"

SCREEN SIZE
11" x 11"

SCREEN COLOR
Gray

SCREEN TYPE
Nonglare, Rear Projection

POSITIONING CONTROLS
Single Fingertip Control

OPTICAL SYSTEM
Easy Focus

RATED LAMP LIFE
500 Hours

POWER REQUIREMENT
117 VAC 60 Hz

CONSTRUCTION MATERIAL
Heavy Gauge Steel

WEIGHT AND DIMENSIONS
145 lbs.
29" H, 18" W, 25" D

OTHER FEATURES
Half Size Print, Self Opening Glass Flats, Image Rotation (32X Model)

ACCESSORIES
Lazy Susan, Floor Stand

WARRANTY PERIOD
90 Days Service
1 Year Parts

LIST PRICE
$1,675.00 (18X, 21X, or 24X)
Other Lenses Slightly Higher

GSA SCHEDULE
6% Discount

READER-PRINTER (If applicable)

PROCESS
Dry Electrophotographic

PRINT SPEED
8 Seconds

PRINT SIZE
8 1/2" x 11" or 5 1/2" x 8 1/2"

PRINT COST
$0.02 to $0.05 per Copy

AM BRUNING Model 175 Microlite

MANUFACTURER/DISTRIBUTOR
AM Bruning

ADDRESS
1834 Walden Office Square
Schaumburg, Illinois 60172

MODEL
AM Bruning 175 Microlite
(Other Models Available)

LENSES AVAILABLE
18X, 24X, 32X, 40X, or 48X

FICHE SIZES ACCEPTED
105mm x 148mm

SCREEN SIZE
8 1/2" x 5 1/2"

SCREEN COLOR
Gray

SCREEN TYPE
Nonglare, Rear Projection

POSITIONING CONTROLS
Fingertip Selector
X-Y Index

OPTICAL SYSTEM
12 Volt Auto Lamp
Floating Lens

RATED LAMP LIFE
250 Hours

POWER REQUIREMENT
110-120 VAC 50/60 Hz

CONSTRUCTION MATERIAL
Steel and Aluminum

WEIGHT AND DIMENSIONS
18 lbs.
13" H, 9 1/2" W, 13 1/4" D

OTHER FEATURES
Various Grids Available

ACCESSORIES
Screen Hood Extension
Turntable
Dust Cover

WARRANTY PERIOD
6 Months

LIST PRICE
$125.00

GSA SCHEDULE
N/A

READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST

AM BRUNING Model 550 Reader/Printer

MANUFACTURER/DISTRIBUTOR
AM Bruning

ADDRESS
1834 Walden Office Square
Schaumburg, Illinois 60172

MODEL
AM Bruning 550 Reader/Printer

LENSES AVAILABLE
18X, 24X, 32X, or 42X

FICHE SIZES ACCEPTED
Up to 105mm x 148mm

SCREEN SIZE
11" x 11"

SCREEN COLOR
Blue, Gray, or Green

SCREEN TYPE
Rear Projection

POSITIONING CONTROLS
Fingertip
Grid Selector

OPTICAL SYSTEM
Floating Lens

RATED LAMP LIFE
125 Hours (High Brightness)
500-1000 Hours (Low Brightness)

POWER REQUIREMENT
110-120 VAC
(220 VAC Available)

CONSTRUCTION MATERIAL
Steel and Aluminum

WEIGHT AND DIMENSIONS
70 lbs.
23" H, 15" W, 28" D

OTHER FEATURES
Prints From Either Polarity
High-Low Lamp Control

ACCESSORIES
None

WARRANTY PERIOD
6 Months

LIST PRICE
$875.00

GSA SCHEDULE
N/A

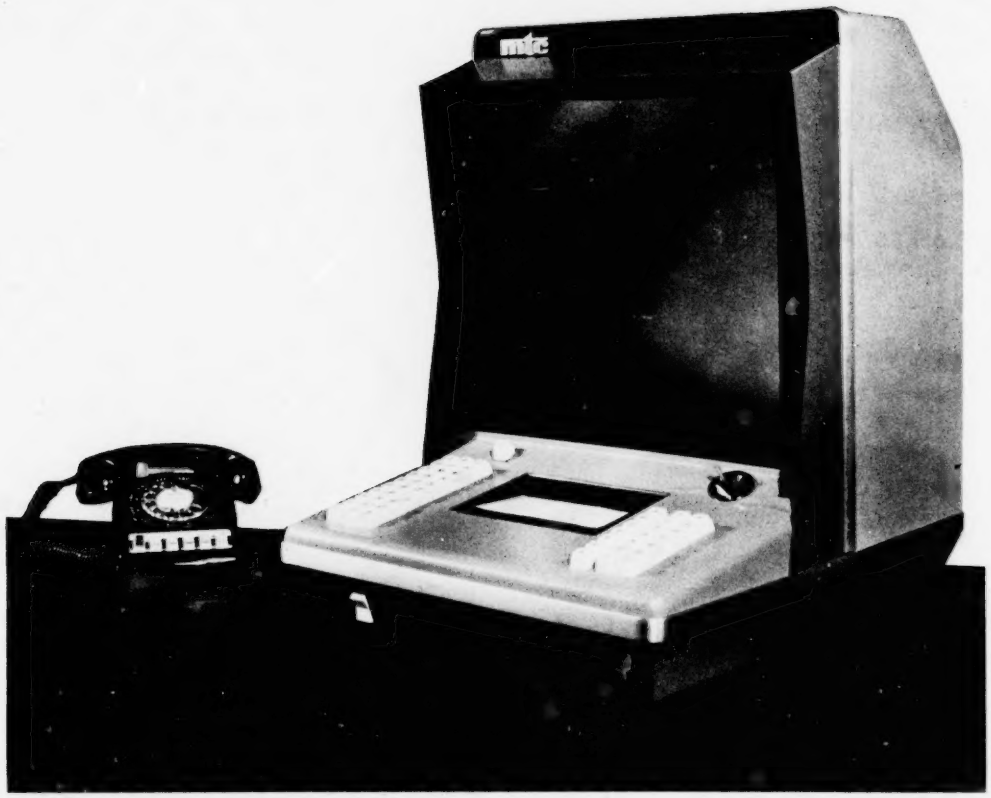
READER-PRINTER (If applicable)

PROCESS
Electrostatic

PRINT SPEED
8 Seconds

PRINT SIZE
6 Sizes, Up to 11" x 11"

PRINT COST
- -



AM BRUNING Model 95 Retrieval/Reader

MANUFACTURER/DISTRIBUTOR
AM Bruning

ADDRESS
1834 Walden Office Square
Schaumburg, Illinois 60172

MODEL
AM Bruning 95 Retrieval/Reader

LENSES AVAILABLE
20X, 24X, 27X, 42X, or 48X

FICHE SIZES ACCEPTED
Thirty 105mm x 148mm Fiche Per Cartridge

SCREEN SIZE
14" x 14"

SCREEN COLOR
Neutral

SCREEN TYPE
Rear Projection

POSITIONING CONTROLS
Automatic Pushbutton

OPTICAL SYSTEM
100 Watt Tungsten Lamp

RATED LAMP LIFE
Not Available

POWER REQUIREMENT
115 VAC

CONSTRUCTION MATERIAL
High-Impact Plastic and Metal

WEIGHT AND DIMENSIONS
75 lbs.
20" H, 18" W, 24" D

OTHER FEATURES
No Notching or Coding Required
3-Second Retrieval

ACCESSORIES
Cartridges

WARRANTY PERIOD
90 Days (Parts Only)

LIST PRICE
$2,475.00 - $2,995.00

GSA SCHEDULE
N/A

READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST

DASA CORPORATION PMR/50

MANUFACTURER/DISTRIBUTOR
DASA Corporation

ADDRESS
15 Stevens Street
Andover, Massachusetts 01810

MODEL
PMR/50

LENSES AVAILABLE
20X or 24X

FICHE SIZES ACCEPTED
105mm x 148mm

SCREEN SIZE
8 1/2" x 11"

SCREEN COLOR
Beige

SCREEN TYPE
Plastic, Rear Projection

POSITIONING CONTROLS
Manual with Indexer

OPTICAL SYSTEM
Tungsten [illegible]
GE-[illegible]95

RATED LAMP [illegible]
N[illegible]ailab[illegible]

POWER REQUIREMENT
110 VAC 20[illegible]

CONSTRUCTION MATERIAL
Plastic

WEIGHT AND DIMENSIONS
7 1/2 lbs.
13" H, 13" W, 7 3/4" D

OTHER FEATURES
Portable

ACCESSORIES
Cover
Carrying Case

WARRANTY PERIOD
90 Days

LIST PRICE
20X - $109.50
24X - $119.50

GSA SCHEDULE
20X - $84.13
24X - $94.13

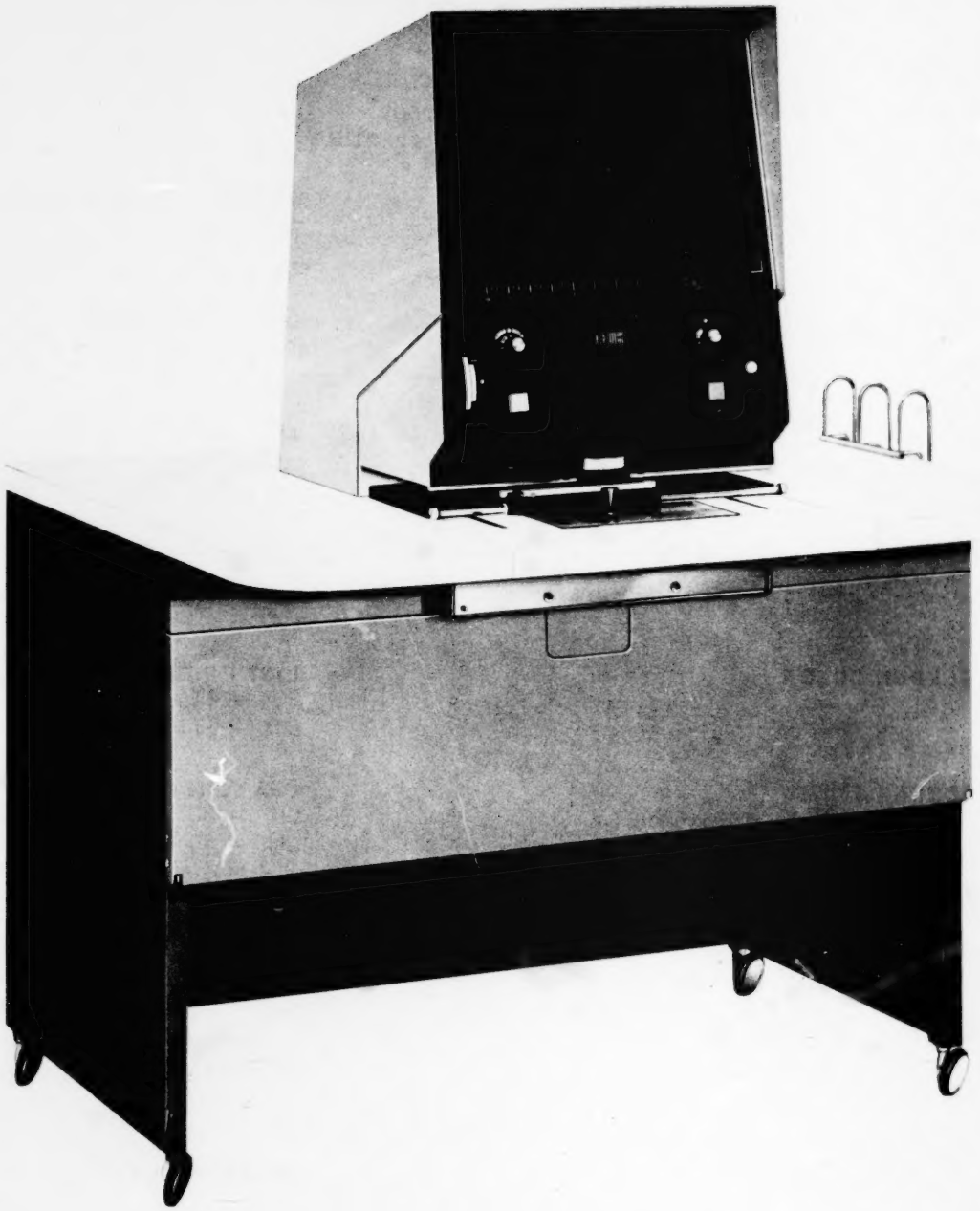
READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST



A. B. DICK COMPANY Model 810 Microfiche Reader-Printer

MANUFACTURER/DISTRIBUTOR
A. B. Dick Company

ADDRESS
5700 W. Touhy Avenue
Chicago, Illinois 60648

MODEL
810 Microfiche Reader-Printer

LENSES AVAILABLE
17.3X, 20.7X, 36.3X, and 41.5X

FICHE SIZES ACCEPTED
Interchangeable Carriers Accept 4" x 6" to 4" x 12" or 4" x 6" to 6" x 8"

SCREEN SIZE
11 1/2" x 15 1/2"

SCREEN COLOR
Neutral Gray

SCREEN TYPE
Nonglare

POSITIONING CONTROLS
Manual Glass Flats

OPTICAL SYSTEM
Rear Projection

RATED LAMP LIFE
100 Hours

POWER REQUIREMENT
115 VAC 60 Hz 3 Amp

CONSTRUCTION MATERIAL
Steel and Formica Table Top

WEIGHT AND DIMENSIONS
320 lbs.
50" H, 38" W, 33" D

OTHER FEATURES
Variable Copy Cut-Off
Multiple Copy Counter

ACCESSORIES
Receiving Tray, Receiving Rack

WARRANTY PERIOD
1 Year

LIST PRICE
$2,350.00

GSA SCHEDULE
$2,210.00

READER-PRINTER (If applicable)

PROCESS
Electrofax

PRINT SPEED
1st Copy - 10 Seconds
Multiple Copies - 12 per Minute

PRINT SIZE
3" x 5 1/2" to 10" x 15"

PRINT COST
$0.02 - $0.04

DIETZGEN CORPORATION Model 4309

MANUFACTURER/DISTRIBUTOR
Dietzgen Corporation

ADDRESS
2425 Sheffield Avenue
Chicago, Illinois 60614

MODEL
4309

LENSES AVAILABLE
24X, 32X, 42X or 48X
(80% Blowback)

FICHE SIZES ACCEPTED
105mm x 148mm
(Carrier 4" x 7 3/8")

SCREEN SIZE
11 5/8" x 9 1/4"

SCREEN COLOR
Green

SCREEN TYPE
Nonglare, Rear Projection

POSITIONING CONTROLS
Bar with X-Y Indexing

OPTICAL SYSTEM
250 Watt Quartz Halogen Lamp

RATED LAMP LIFE
300 Hours

POWER REQUIREMENT
117 VAC 50/60 Hz
220 VAC (Optional)

CONSTRUCTION MATERIAL
High-Impact Plastic

WEIGHT AND DIMENSIONS
17 lbs.
19 5/8" H, 17" W, 15" D

OTHER FEATURES
Constant Focus
Fan Cooled

ACCESSORIES
None

WARRANTY PERIOD
90 Days

LIST PRICE
$139.00

GSA SCHEDULE
N/A

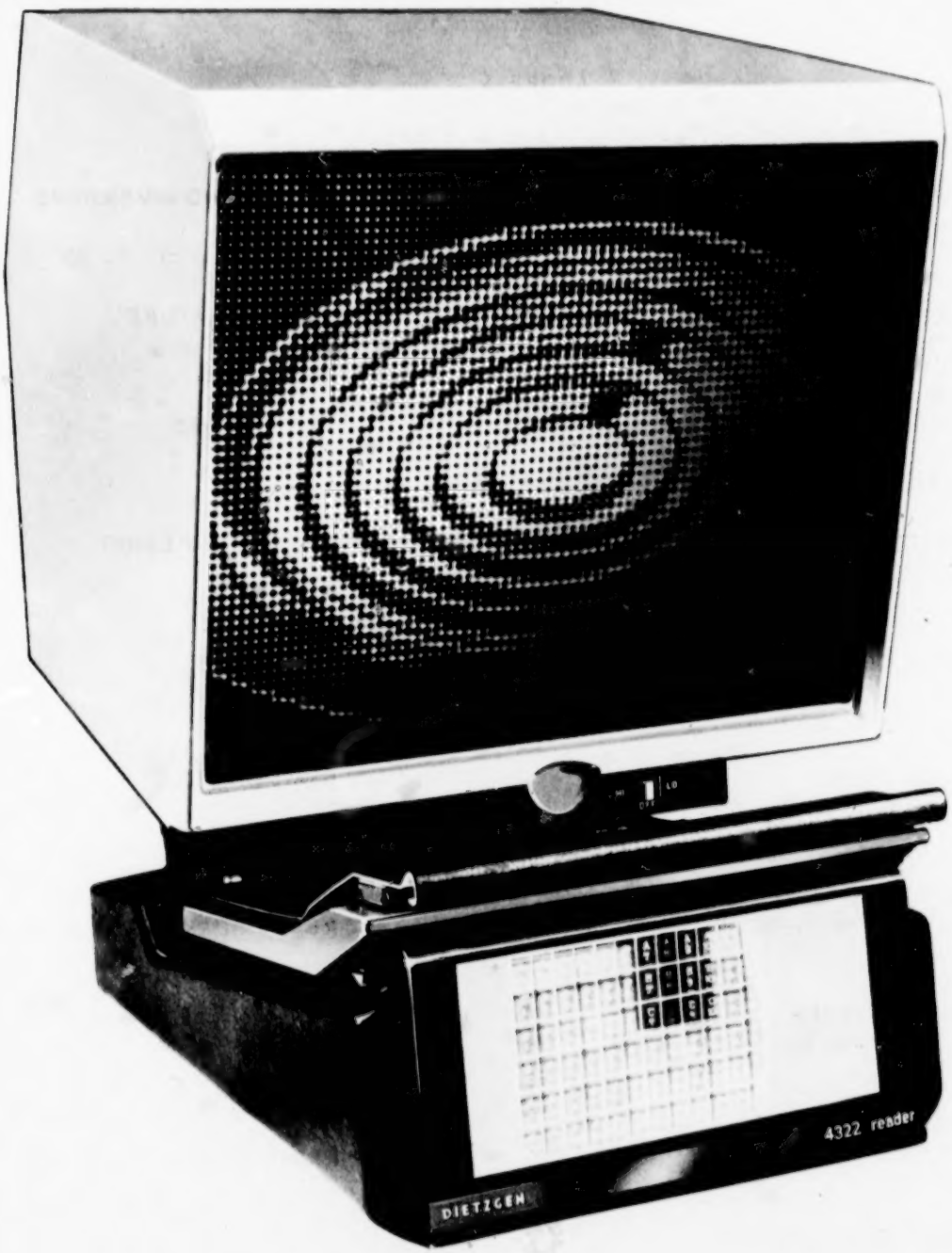
READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST



DIETZGEN CORPORATION Model 4322

MANUFACTURER/DISTRIBUTOR
Dietzgen Corporation

ADDRESS
2425 Sheffield Avenue
Chicago, Illinois 60614

MODEL
Modular Microform Reader
Models 4322, 4323 and 4324

LENSES AVAILABLE
20X, 25X, 38X, 42X or 49X

FICHE SIZES ACCEPTED
Up to 4" x 7 3/8"
(105mm x 187.3mm)

SCREEN SIZE
Model 4322 - 12" x 12"
Model 4323 - 15" x 12"
Model 4324 - 19" x 12"

SCREEN COLOR
Gray

SCREEN TYPE
Nonglare, Rear Projection

POSITIONING CONTROLS
Counterbalanced Carrier with
Omni-Vision Index

OPTICAL SYSTEM
Quartz Halogen Lamp
Floating Lens

RATED LAMP LIFE
High Control - 750 Hours
Low Control - 1500 Hours

POWER REQUIREMENT
115 VAC 60 Hz, 230 Watts

CONSTRUCTION MATERIAL
Metal and Plastic

WEIGHT AND DIMENSIONS
40-50 lbs.
23" H, 13" W, 15" D

OTHER FEATURES
Self-Opening Flats
Fan Cooled

ACCESSORIES
None

WARRANTY PERIOD
90 Days

LIST PRICE
Model 4322: $295.00
Model 4323: $355.00
Model 4324: $410.00

GSA SCHEDULE
Model 4322: $250.75
Model 4323: $301.75
Model 4324: $348.50

READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST

DUKANE CORPORATION Model 27A25B

MANUFACTURER/DISTRIBUTOR
Dukane Corporation
Special Products Division

ADDRESS
2900 Dukane Drive
St. Charles, Illinois 60174

MODEL
27A25B

LENSES AVAILABLE
15X, 18X, 24X, or
27X

FICHE SIZES ACCEPTED
Up to 4" x 6"

SCREEN SIZE
14" x 14"

SCREEN COLOR
Gray

SCREEN TYPE
Nonglare, Rear Projection

POSITIONING CONTROLS
X-Y Axis Knobs

OPTICAL SYSTEM
Quartz Halogen Lamp
(Fan Cooled)

RATED LAMP LIFE
1000 Hours

POWER REQUIREMENT
120 VAC 50-60 Hz or
240 VAC 50 Hz

CONSTRUCTION MATERIAL
Metal and Wood

WEIGHT AND DIMENSIONS
45 lbs.
26" H, 14 3/4" W, 18" D

OTHER FEATURES
90 Degree Rotation
Variable Light Intensity Control
UL Listed

ACCESSORIES
99A500C, 35mm and 16mm Roll Film Adaptor
99A545 Fiche Adaptor

WARRANTY PERIOD
1 Year

LIST PRICE
$372.50 to $417.50
(Fiche Adaptor - $65 Extra)

GSA SCHEDULE
GS-00S-12880

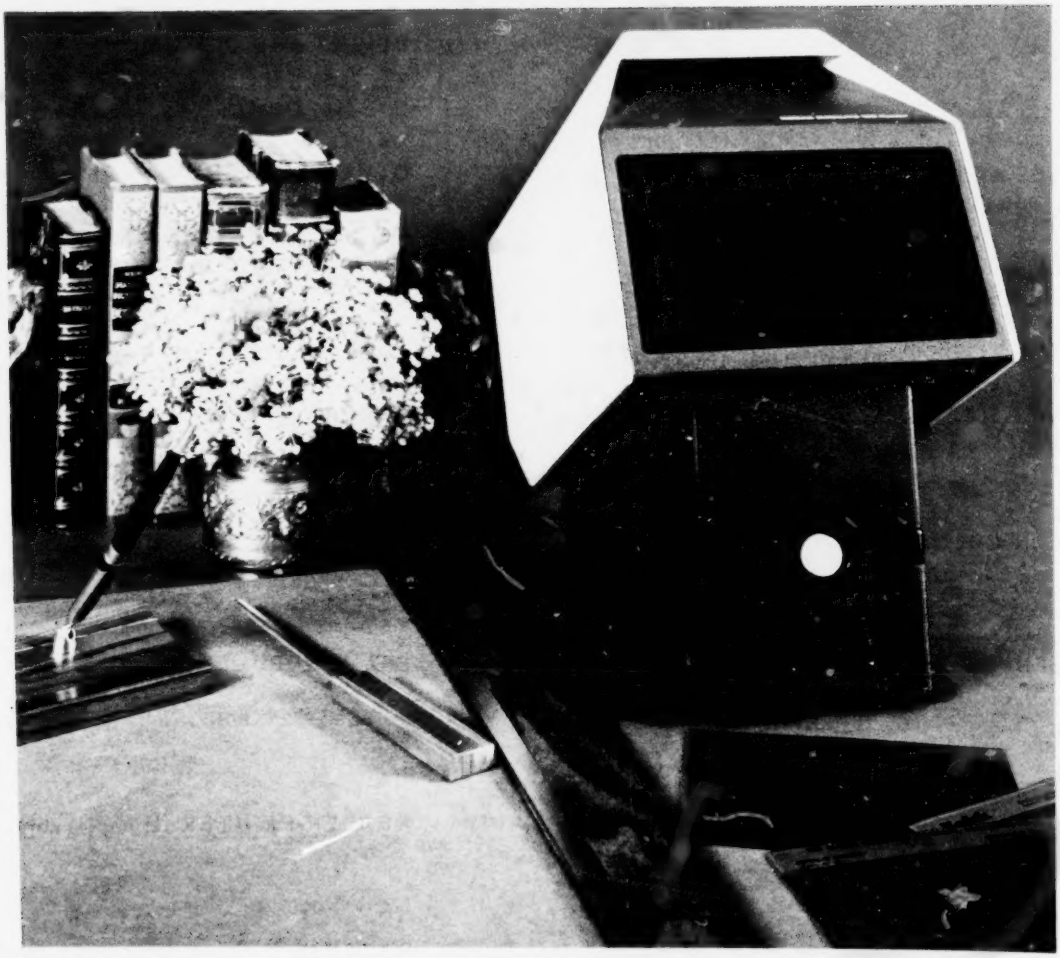
READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST



EASTMAN KODAK COMPANY Ektalite 120

MANUFACTURER/DISTRIBUTOR
Eastman Kodak Company
Business Systems Markets Division
ADDRESS
343 State Street
Rochester, New York 14650

MODEL
Ektalite 120 Reader
Ektalite 140 Reader

LENSES AVAILABLE
Model 120 - 20X
Model 140 - 40X

FICHE SIZES ACCEPTED
4 1/8" Wide x any length more than 3"

SCREEN SIZE
5 3/4" x 7 3/4"

SCREEN COLOR
Neutral

SCREEN TYPE
Front Projection

POSITIONING CONTROLS
Slide Carriage for Row Positioning and Rotating Knob for Column Positioning

OPTICAL SYSTEM
12V Lamp (Automobile Type)

RATED LAMP LIFE
250 Hours

POWER REQUIREMENT
120 VAC 50/60 Hz
(12V with Adapter)

CONSTRUCTION MATERIAL
High-Impact Plastic

WEIGHT AND DIMENSIONS
6 lbs.
13" H, 8 3/8" W, 10 3/4" D

OTHER FEATURES
Built-In Line Finder
Ambient Light Filter

ACCESSORIES
12V DC Adapter Cord
Carrying Case

WARRANTY PERIOD
3 Months (Commercial)
12 Months (GSA)

LIST PRICE
Model 120: $99.95
Model 140: $114.95

GSA SCHEDULE
Model 120: $93.95
Model 140: $108.05

READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST

EASTMAN KODAK COMPANY Recordak Easamatic Model PFCD

MANUFACTURER/DISTRIBUTOR
Eastman Kodak Company
Business Systems Markets Division

ADDRESS
343 State Street
Rochester, New York 14650

MODEL
Recordak Easamatic Model PFCD

LENSES AVAILABLE
18.5X, 21.5X, 23X, 25.5X, or 31X

FICHE SIZES ACCEPTED
4" x 6" and 3 1/4" x 7 3/8"

SCREEN SIZE
16 1/4" x 11"

SCREEN COLOR
Neutral

SCREEN TYPE
Rear Projection

POSITIONING CONTROLS
Pointer Knob and Index Grid

OPTICAL SYSTEM
- -

RATED LAMP LIFE
Not Available

POWER REQUIREMENT
120 VAC 50/60 Hz

CONSTRUCTION MATERIAL
High-Impact Plastic and Metal

WEIGHT AND DIMENSIONS
20 lbs.
19" H, 19" W, 21" D

OTHER FEATURES
Interchangeable Index Grid Cards

ACCESSORIES
Reader Base (To Alter Screen Angle)

WARRANTY PERIOD
3 Months (Commercial)
12 Months (GSA)

LIST PRICE
$220.00
$245.00 (31X Model)

GSA SCHEDULE
$206.80
$230.30 (31X Model)

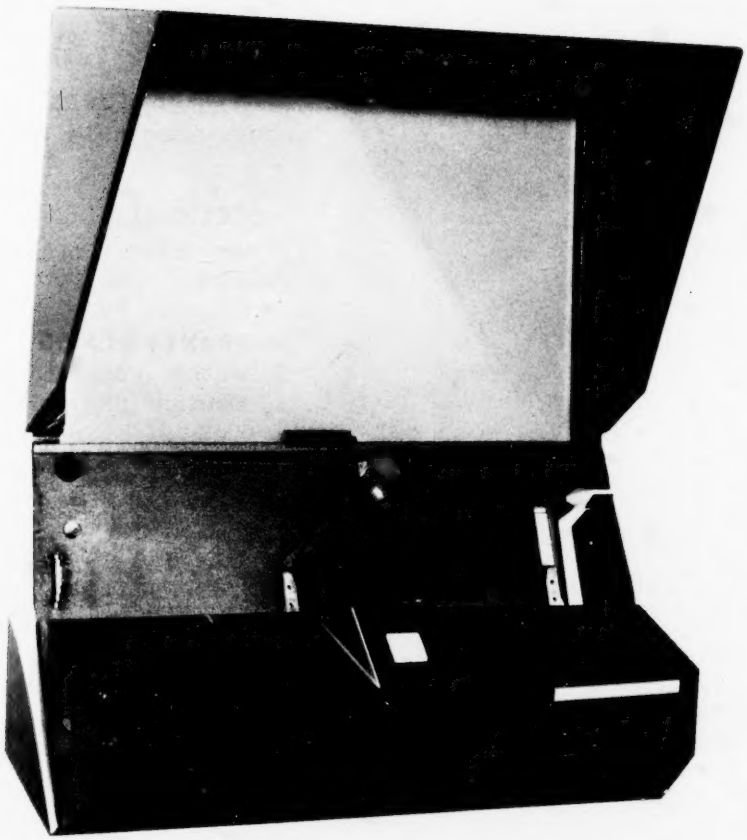
READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST



EASTMAN KODAK COMPANY Easamatic 40 Reader

MANUFACTURER/DISTRIBUTOR
Eastman Kodak Company
Business Systems Markets Division

ADDRESS
343 State Street
Rochester, New York 14650

MODEL
Easamatic 40 Reader

LENSES AVAILABLE
40X

FICHE SIZES ACCEPTED
4" x 6" and 3 1/4" x 7 3/8"

SCREEN SIZE
15 1/4" x 10 1/2"

SCREEN COLOR
Neutral

SCREEN TYPE
Rear Projection

POSITIONING CONTROLS
Pointer Knob and Index Grid

OPTICAL SYSTEM
- -

RATED LAMP LIFE
Not Available

POWER REQUIREMENT
120 VAC 50/60 Hz

CONSTRUCTION MATERIAL
High-Impact Plastic and Metal

WEIGHT AND DIMENSIONS
24 lbs.
21" H, 19" W, 21" D

OTHER FEATURES
Interchangeable Index Grid Cards

ACCESSORIES
Reader Base (To Alter Screen Angle)

WARRANTY PERIOD
3 Months (Commercial)
12 Months (GSA)

LIST PRICE
$265.00

GSA SCHEDULE
$249.10

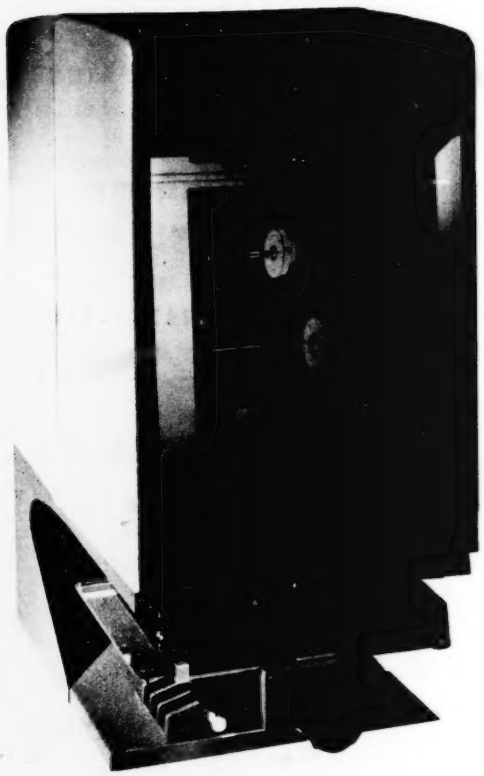
READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST



EASTMAN KODAK COMPANY Recordak Model PK-1013

MANUFACTURER/DISTRIBUTOR
Eastman Kodak Company
Business Systems Markets Division
ADDRESS
343 State Street
Rochester, New York 14650

MODEL
Recordak Model PK-1013

LENSES AVAILABLE
18X or 23X

FICHE SIZES ACCEPTED
5 3/16" x 8"

SCREEN SIZE
10 1/2" x 13 1/4"

SCREEN COLOR
Green-Tinted

SCREEN TYPE
Rear Projection

POSITIONING CONTROLS
Single Knob for Row or Column Positioning

OPTICAL SYSTEM
- -

RATED LAMP LIFE
Not Available

POWER REQUIREMENT
115 VAC 50/60 Hz

CONSTRUCTION MATERIAL
Metal and Plastic

WEIGHT AND DIMENSIONS
39 lbs.
27" H, 13 1/2" W, 18 1/2" D

OTHER FEATURES
360° Image Rotation

ACCESSORIES
None

WARRANTY PERIOD
3 Months (Commercial)
12 Months (GSA)

LIST PRICE
$540.00

GSA SCHEDULE
$423.00

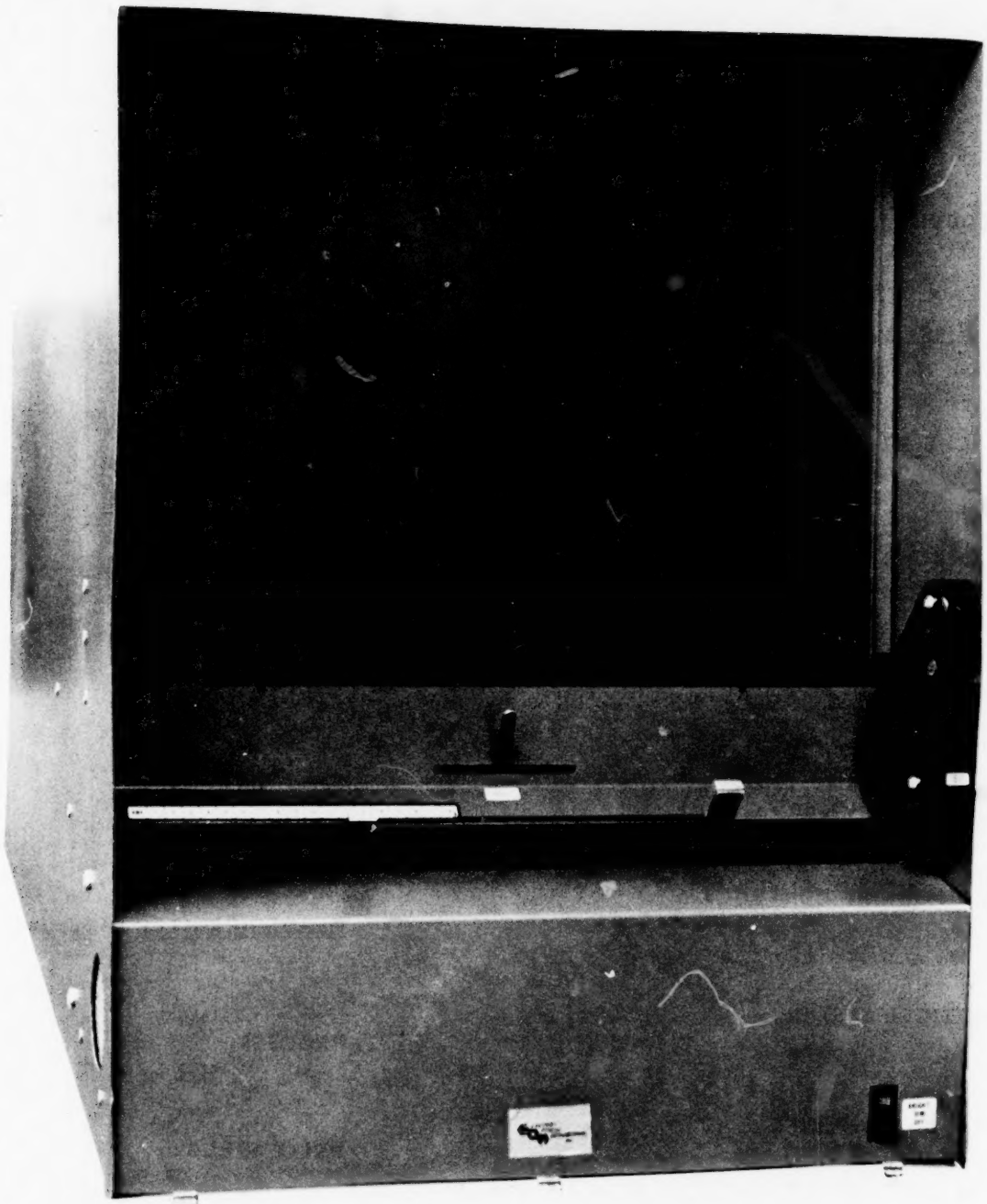
READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST



ELECTRO-OPTICAL MECHANISMS, INC. Model E417

MANUFACTURER/DISTRIBUTOR
Electro-Optical Mechanisms, Inc.

ADDRESS
2865 Metropolitan Place
Pomona, California 91767

MODEL
E417

LENSES AVAILABLE
24X or 48X

FICHE SIZES ACCEPTED
105mm x 148mm

SCREEN SIZE
14" x 11"

SCREEN COLOR
Gray

SCREEN TYPE
Nonglare, Rear Projection

POSITIONING CONTROLS
Fingertip Guided Indexing
With X-Y Indicator

OPTICAL SYSTEM
High Resolution
Easy Focus

RATED LAMP LIFE
500 Hours

POWER REQUIREMENT
175 Watts (Max.)
115/230 VAC 50/60 Hz

CONSTRUCTION MATERIAL
Metal Housing

WEIGHT AND DIMENSIONS
35 lbs.
21" H, 15" W, 26" D

OTHER FEATURES
Variable Light Control
Automatic Opening Glass Flats

ACCESSORIES
None

WARRANTY PERIOD
180 Days
(Expendables not Included)

LIST PRICE
Not Available

GSA SCHEDULE
N/A

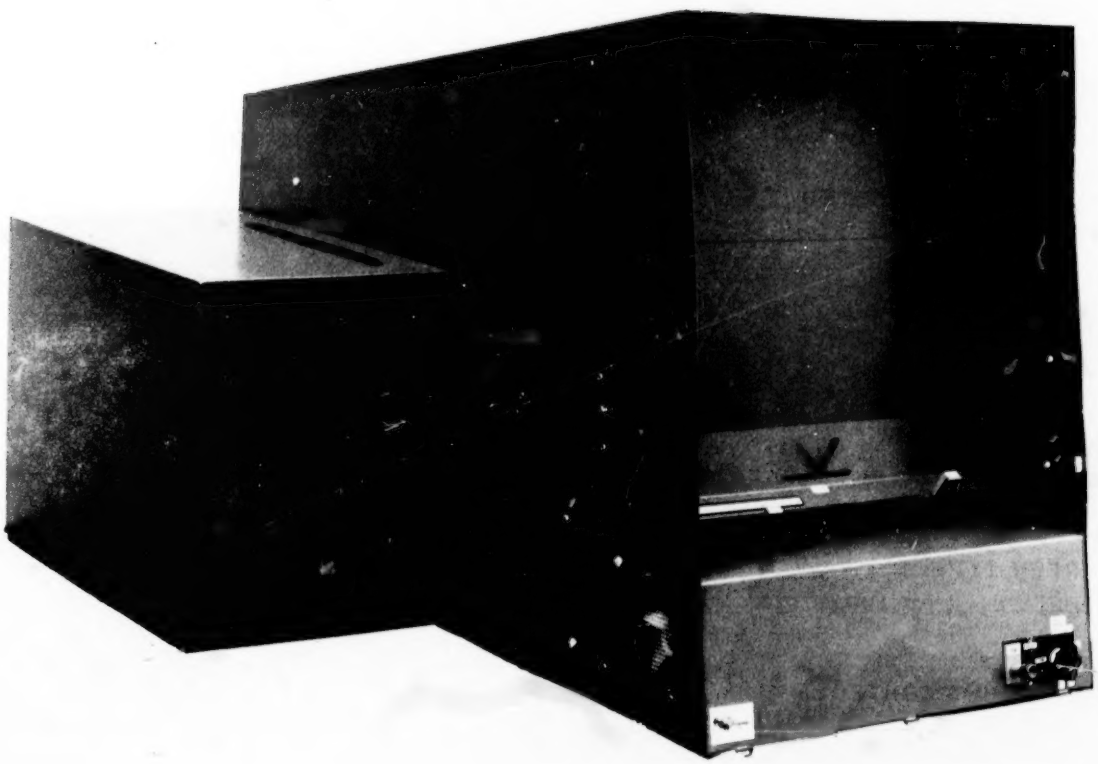
READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST



ELECTRO-OPTICAL MECHANISMS, INC. Model E416 Viewer/Printer

MANUFACTURER/DISTRIBUTOR
Electro-Optical Mechanisms, Inc.

ADDRESS
2865 Metropolitan Place
Pomona, California 91767

MODEL
EM16 Viewer/Printer

LENSES AVAILABLE
24X or 48X

FICHE SIZES ACCEPTED
105mm x 148mm

SCREEN SIZE
14" x 11"

SCREEN COLOR
Gray

SCREEN TYPE
Nonglare, Rear Projection

POSITIONING CONTROLS
Fingertip Guided Indexing

OPTICAL SYSTEM
High Resolution
Easy Focus

RATED LAMP LIFE
500 Hours

POWER REQUIREMENT
800 Watts
115/230 VAC 50/60 Hz

CONSTRUCTION MATERIAL
Metal Housing

WEIGHT AND DIMENSIONS
120 lbs.
21" H, 31" W, 27" D

OTHER FEATURES
Modularly Separable
Variable Light Control
Automatic Opening Glass Flats

ACCESSORIES
None

WARRANTY PERIOD
180 Days
(Expendables not included)

LIST PRICE
Not Available

GSA SCHEDULE
N/A

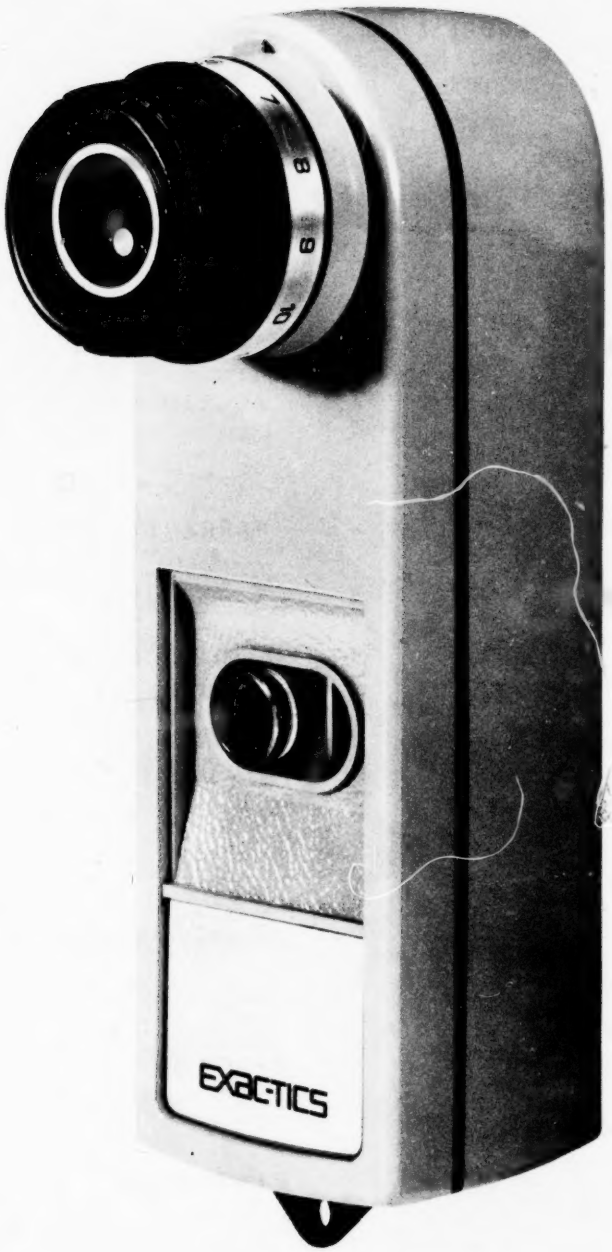
READER-PRINTER (If applicable)

PROCESS
Electroconductive

PRINT SPEED
8 Seconds

PRINT SIZE
8 1/2" x 11"

PRINT COST
$0.035



EXAC-TICS CORPORATION Model HV 101 (Hand Viewer)

MANUFACTURER/DISTRIBUTOR
EXAC-TICS Corporation

ADDRESS
Axe Wood West, Suite 305
Butler & Skippack Pikes
Ambler, Pennsylvania 19002

MODEL
HV 101 (Hand Viewer)

LENSES AVAILABLE
5X, 10X, or 13X

FICHE SIZES ACCEPTED
105mm x 148mm or Aperture Cards

SCREEN SIZE
N/A

SCREEN COLOR
N/A

SCREEN TYPE
N/A

POSITIONING CONTROLS
N/A

OPTICAL SYSTEM
Color Corrected Coated Glass Lenses

RATED LAMP LIFE
30 Hours

POWER REQUIREMENT
3 "C" Size Batteries or Optional
AC/DC Converter

CONSTRUCTION MATERIAL
ABS Plastic

WEIGHT AND DIMENSIONS
16 ozs.
8" H, 1 3/4" W, 1 1/2" D

OTHER FEATURES
Internal Light Source,
Interchangeable Lenses

ACCESSORIES
AC/DC Converter

WARRANTY PERIOD
90 Days

LIST PRICE
$80.00
Quantity Discounts Available

GSA SCHEDULE
Pending

READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST

GAF CORPORATION Model 7507

MANUFACTURER/DISTRIBUTOR
GAF Corporation

ADDRESS
140 West 51st Street
New York, New York 10020

MODEL
7507

LENSES AVAILABLE
18X, 24X, 32X, 40X or 48X

FICHE SIZES ACCEPTED
Dual 105mm x 148mm

SCREEN SIZE
8 1/2" x 5 1/2"

SCREEN COLOR
Neutral

SCREEN TYPE
Rear Projection

POSITIONING CONTROLS
Fingertip Selector
X-Y Index

OPTICAL SYSTEM
Floating Lens

RATED LAMP LIFE
Not Available

POWER REQUIREMENT
120 VAC 60 Hz 45 Watts
12-Volt System (Optional)

CONSTRUCTION MATERIAL
Steel and Aluminum

WEIGHT AND DIMENSIONS
18 lbs.
14 1/2" H, 10 3/4" W, 14" D

OTHER FEATURES
Noiseless Convection Cooling
Extended Hood

ACCESSORIES
12 Volt Auto Adaptor
Various Size Carriers (Option)

WARRANTY PERIOD
6 Months

LIST PRICE
$125.00

GSA SCHEDULE
N/A

READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST

GAF CORPORATION M[illegible] 7515 Portable

MANUFACTURER/DISTRIBUTOR
GAF Corporation

ADDRESS
140 West 51st Street
New York, New York 10020

MODEL
7515 Portable

LENSES AVAILABLE
20X or 24X

FICHE SIZES ACCEPTED
105mm x 148mm

SCREEN SIZE
7 1/4" x 10"

SCREEN COLOR
Neutral Gray

SCREEN TYPE
Nonglare, Rear Projection

POSITIONING CONTROLS
Dials for Horizontal and Vertical Movement

OPTICAL SYSTEM
12-Volt Lamp

RATED LAMP LIFE
Not Available

POWER REQUIREMENT
115 VAC 50/60 Hz or
240 VAC 50 Hz

CONSTRUCTION MATERIAL
High-Impact Plastic

WEIGHT AND DIMENSIONS
5 lbs.
11" H, 10 1/2" W, 5 3/4" D

OTHER FEATURES
Convenient Lap Design
Handle

ACCESSORIES
Battery Pack
12-Volt DC Auto Cord

WARRANTY PERIOD
6 Months

LIST PRICE
$129.00

GSA SCHEDULE
$110.50

READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST

GAF CORPORATION Model 7500 A

MANUFACTURER/DISTRIBUTOR
GAF Corporation

ADDRESS
140 West 51st Street
New York, New York 10020

MODEL
7500 A

LENSES AVAILABLE
18X, 24X or 32X

FICHE SIZES ACCEPTED
Up to 4" x 7 3/8"

SCREEN SIZE
8 1/2" x 11"

SCREEN COLOR
Blue, Green, or Gray

SCREEN TYPE
Nonglare, Rear Projection

POSITIONING CONTROLS
X-Y Index
Fingertip Frame Selector

OPTICAL SYSTEM
Floating Lens
150 Watt Quartz Halogen Lamp

RATED LAMP LIFE
500 Hours

POWER REQUIREMENT
115 VAC 50/60 Hz 150 Watts

CONSTRUCTION MATERIAL
Steel and Aluminum

WEIGHT AND DIMENSIONS
25 1/2 lbs.
18 1/2" H, 9 1/2" W, 16" D

OTHER FEATURES
Constant Focus
Dual Lamp Intensity

ACCESSORIES
None

WARRANTY PERIOD
6 Months

LIST PRICE
$159.00

GSA SCHEDULE
N/A

READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST

GAF CORPORATION Model 7504

MANUFACTURER/DISTRIBUTOR
GAF Corporation

ADDRESS
140 West 51st Street
New York, New York 10020

MODEL
7504

LENSES AVAILABLE
18X, 24X, 32X, or 40X
(3/4 Blowback)

FICHE SIZES ACCEPTED
4" x 6", 3 1/4" x 7 3/8"
(4" x 12" Carrier-Optional)

SCREEN SIZE
11" x 8 1/2"

SCREEN COLOR
Blue, Green, or Gray

SCREEN TYPE
Nonglare, Rear Projection

POSITIONING CONTROLS
Fingertip Frame Selector
X-Y Index

OPTICAL SYSTEM
Floating Lens
Quartz Halogen Lamp

RATED LAMP LIFE
500 Hours

POWER REQUIREMENT
115 VAC 50/60 Hz 150 Watts

CONSTRUCTION MATERIAL
Steel and Aluminum

WEIGHT AND DIMENSIONS
25 1/2 lbs.
15" H, 12" W, 19" D

OTHER FEATURES
Constant Focus
Dual Lamp Intensity

ACCESSORIES
None

WARRANTY PERIOD
6 Months

LIST PRICE
$169.00

GSA SCHEDULE
N/A

READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST

GAF CORPORATION Model 7524 Dual Magnification Reader

MANUFACTURER/DISTRIBUTOR
GAF Corporation

ADDRESS
140 West 51st Street
New York, New York 10020

MODEL
7524 Dual Magnification Reader

LENSES AVAILABLE
18X and 32X

FICHE SIZES ACCEPTED
Up to 4" x 7 3/8"

SCREEN SIZE
11" x 8 1/2"

SCREEN COLOR
Blue, Gray or Green

SCREEN TYPE
Nonglare, Rear Projection

POSITIONING CONTROLS
Fingertip Selector
X-Y Index

OPTICAL SYSTEM
Quartz Halogen Lamp
Floating Lens

RATED LAMP LIFE
Not Available

POWER REQUIREMENT
115 VAC 50/60 Hz
150 Watts

CONSTRUCTION MATERIAL
Steel and Aluminum

WEIGHT AND DIMENSIONS
27 lbs.
15" H, 12" W, 19" D

OTHER FEATURES
High-Low Lamp Switch

ACCESSORIES
Turntable
Dust Cover
Screen Hood

WARRANTY PERIOD
6 Months

LIST PRICE
$265.00

GSA SCHEDULE
N/A

READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST

GAF CORPORATION Model 7511

MANUFACTURER/DISTRIBUTOR
GAF Corporation

ADDRESS
140 West 51st Street
New York, New York 10020

MODEL
7511

LENSES AVAILABLE
24X, 32X, 42X, 48X or 50X

FICHE SIZES ACCEPTED
Up to 4" x 7 3/8"
(4" x 12" Carrier-Optional)

SCREEN SIZE
15 1/2" x 11 1/2"

SCREEN COLOR
Blue, Green, or Gray

SCREEN TYPE
Nonglare, Rear Projection

POSITIONING CONTROLS
Fingertip Frame Selector
X-Y Index

OPTICAL SYSTEM
Floating Lens
150 Watt Quartz Halogen Lamp

RATED LAMP LIFE
500 Hours

POWER REQUIREMENT
115 VAC 50/60 Hz 150 Watts

CONSTRUCTION MATERIAL
Steel and Aluminum

WEIGHT AND DIMENSIONS
32 lbs.
20" H, 16 1/2" W, 25" D

OTHER FEATURES
Dual Lamp Intensity
Constant Focus

ACCESSORIES
Turntable
Dust Cover

WARRANTY PERIOD
6 Months

LIST PRICE
$275.00

GSA SCHEDULE
$231.00

READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST

GAF CORPORATION Model 9000 Reader-Printer

MANUFACTURER/DISTRIBUTOR
GAF Corporation

ADDRESS
140 West 51st Street
New York, New York 10020

MODEL
9000 Reader-Printer

LENSES AVAILABLE
18X, 24X, 32X, 40X or 48X

FICHE SIZES ACCEPTED
105mm x 148mm

SCREEN SIZE
11" x 11"

SCREEN COLOR
Blue, Gray, or Green

SCREEN TYPE
Rear Projection

POSITIONING CONTROLS
Fingertip Selector
X-Y Index

OPTICAL SYSTEM
Floating Lens for Constant Focus

RATED LAMP LIFE
Not Available

POWER REQUIREMENT
110 VAC 60 Hz

CONSTRUCTION MATERIAL
Steel and Aluminum

WEIGHT AND DIMENSIONS
70 lbs.
23" H, 15" W, 28" D

OTHER FEATURES
High-Low Lamp Switch
Polarity Switch for Positive and Negative Films

ACCESSORIES
4" x 12" Oversize Carrier (Option)
4" x 7 3/8" Carrier (Option)

WARRANTY PERIOD
6 Months

LIST PRICE
$985.00

GSA SCHEDULE
N/A

READER-PRINTER (If applicable)

PROCESS
Electrostatic

PRINT SPEED
7.5 Seconds

PRINT SIZE
8 1/2" x 11"

PRINT COST
Not Available

KARL HEITZ, INC. Optico L 36

MANUFACTURER/DISTRIBUTOR
Karl Heitz, Inc.

ADDRESS
979 Third Avenue
New York, New York 10022

MODEL
Optico L 36

LENSES AVAILABLE
8X, 10X, or 14X

FICHE SIZES ACCEPTED
3 1/8" x 4 7/8"

SCREEN SIZE
14" x 14"

SCREEN COLOR
Neutral

SCREEN TYPE
"Marata" Rear Projection

POSITIONING CONTROLS
Manual

OPTICAL SYSTEM
Low Voltage Lamp

RATED LAMP LIFE
Not Available

POWER REQUIREMENT
220/110 VAC

CONSTRUCTION MATERIAL
Metal

WEIGHT AND DIMENSIONS
46 lbs.
21" H, 17" W, 31" D

OTHER FEATURES
Wall Projection Capability
Variable Light Control
Accepts Roll Film

ACCESSORIES
Fiche Frame

WARRANTY PERIOD
Not Available

LIST PRICE
$699 (Fiche Frame $70 Extra)

GSA SCHEDULE
N/A

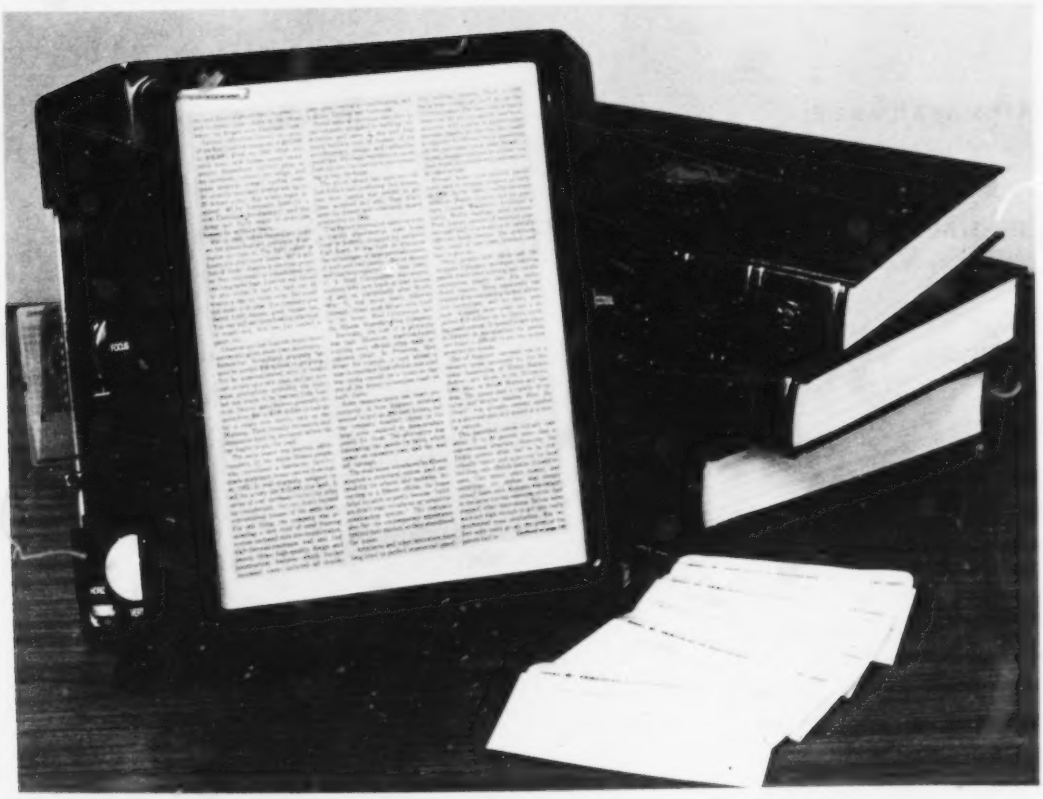
READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST



LIBRARY RESOURCES, INC. Microbook 710 Portareader

MANUFACTURER/DISTRIBUTOR
Library Resources, Inc.

ADDRESS
301 East Erie Street
Chicago, Illinois 60611

MODEL
Microbook 710 Portareader

LENSES AVAILABLE
75X

FICHE SIZES ACCEPTED
3" x 5"

SCREEN SIZE
7 1/8" x 10"

SCREEN COLOR
Gray

SCREEN TYPE
Nondirectional, Rear Projection

POSITIONING CONTROLS
Horizontal and Vertical Knobs
Mechanically Compelled Fiche Transport

OPTICAL SYSTEM
Constant Focus Lens

RATED LAMP LIFE
150 Hours

POWER REQUIREMENT
120 VAC 50 Watts

CONSTRUCTION MATERIAL
High-Impact Plastic

WEIGHT AND DIMENSIONS
5 lbs.
11 1/4" H, 11 3/4" W, 6 1/4" D

OTHER FEATURES
Image Rotation Case Design, Recessed Cord Wrap, Fiche Storage Chamber

ACCESSORIES
None

WARRANTY PERIOD
90 Days

LIST PRICE
$165.00

GSA SCHEDULE
N/A

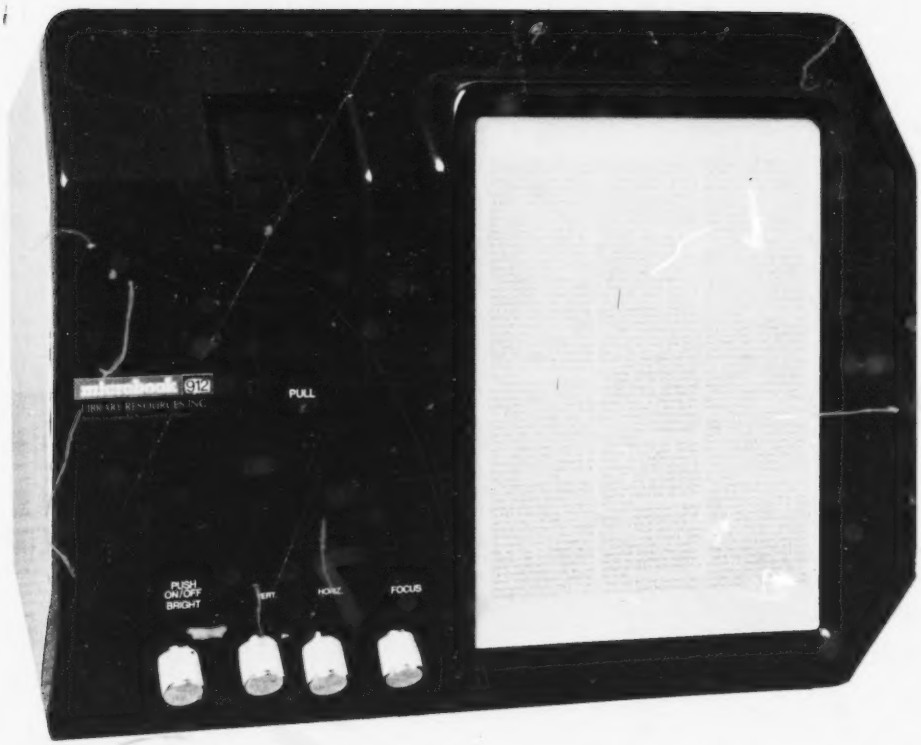
READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST



LIBRARY RESOURCES, INC. Microbook 912 Table Reader

MANUFACTURER/DISTRIBUTOR
Library Resources, Inc.

ADDRESS
301 East Erie Street
Chicago, Illinois 60611

MODEL
Microbook 912 Table Reader

LENSES AVAILABLE
90X

FICHE SIZES ACCEPTED
3" x 5"

SCREEN SIZE
8.5" x 12"

SCREEN COLOR
Gray

SCREEN TYPE
Nondirectional, Rear Projection

POSITIONING CONTROLS
Mechanically Coupled
Horizontal and Vertical Dials

OPTICAL SYSTEM
Constant Focus

RATED LAMP LIFE
250 Hours

POWER REQUIREMENT
120 VAC 50/60 Hz 120 Watts

CONSTRUCTION MATERIAL
High-Impact Plastic Case

WEIGHT AND DIMENSIONS
52 lbs.
17 1/4" H, 21" W, 16" D

OTHER FEATURES
Adjustable Screen Angle
Mechanical Fiche Rotation
Light Intensity Control

ACCESSORIES
None

WARRANTY PERIOD
1 Year

LIST PRICE
$450.00

GSA SCHEDULE
N/A

READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST

METAGRAPHIC SYSTEMS COR 701

MANUFACTURER/DISTRIBUTOR
Metagraphic Systems

ADDRESS
1624 Stillwell Avenue
New York, New York 10461

MODEL
COR 701

LENSES AVAILABLE
24X, 33X, or 46X

FICHE SIZES ACCEPTED
Up to 6" x 8"

SCREEN SIZE
17" x 12"

SCREEN COLOR
Neutral

SCREEN TYPE
Rear Projection

POSITIONING CONTROLS
Manual Fiche Carrier
Motorized Cartridge Viewing

OPTICAL SYSTEM
200 Watt Quartz Halogen Lamp

RATED LAMP LIFE
300 Hours

POWER REQUIREMENT
110 VAC

CONSTRUCTION MATERIAL
Metal and Plastic

WEIGHT AND DIMENSIONS
40 lbs.
24 1/2" H, 21" W, 15 1/2" D

OTHER FEATURES
Accepts 3M Cartridges
Image Counter
Optical Image Rotation

ACCESSORIES
Interchangeable Lenses
Electronic Image Counter (EC Option)

WARRANTY PERIOD
1 Year (GSA)

LIST PRICE
$915.00

GSA SCHEDULE
$841.30 (24X Lens)
(Available from 3M Company)

READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST

MICRO INFORMATION SYSTEMS, INC. Model 201 Reader Printer

MANUFACTURER/DISTRIBUTOR
Micro Information Systems, Inc.

ADDRESS
467 Armour Circle, N.E.
Atlanta, Georgia 30324

MODEL
201 Reader-Printer
202 COM Reader-Printer

LENSES AVAILABLE
18X, 24X, 32X, 36X, 42X, or 48X

FICHE SIZES ACCEPTED
Up to 5" x 8"

SCREEN SIZE
12" x 12"

SCREEN COLOR
Blue

SCREEN TYPE
Nonglare, Rear Projection

POSITIONING CONTROLS
Manual Glass Flats

OPTICAL SYSTEM
300 Watt Lamp

RATED LAMP LIFE
300 Hours Average

POWER REQUIREMENT
105-120 VAC 60 Hz or
220-240 VAC 50 Hz

CONSTRUCTION MATERIAL
Metal

WEIGHT AND DIMENSIONS
120 lbs.
27" H, 18" W, 26" D

OTHER FEATURES
Interchangeable Lenses (Except with Image Rotation)
Automatic Paper Cutter

ACCESSORIES
Image Rotation (Except 18X)
Polarity Control, Multiple Copy Selector, Coin Acceptor or Changer

WARRANTY PERIOD
90 Days

LIST PRICE
Model 201: $695.00 - $745.00
Model 202: $795.00 - $850.00

GSA SCHEDULE
Yes

READER-PRINTER (If applicable)

PROCESS
Electrostatic

PRINT SPEED
6 per Minute

PRINT SIZE
Model 201: 8 1/2" x 11"
Model 202: 11" x 8 1/2"

PRINT COST
$0.04

MICRO INFORMATION SYSTEMS, INC. Model 301 Reader Printer

MANUFACTURER/DISTRIBUTOR
Micro Information Systems, Inc.

ADDRESS
467 Armour Circle, N.E.
Atlanta, Georgia 30324

MODEL
301 Reader Printer

LENSES AVAILABLE
75X or 150X
(Others on Request)

FICHE SIZES ACCEPTED
Up to 5" x 8"

SCREEN SIZE
12" x 12"

SCREEN COLOR
Blue

SCREEN TYPE
High Contrast Nonglare

POSITIONING CONTROLS
Front, Easy Access

OPTICAL SYSTEM
300 Watt Lamp

RATED LAMP LIFE
300 Hours Average

POWER REQUIREMENT
105-120 VAC 60 Hz or
220-240 VAC 50 Hz

CONSTRUCTION MATERIAL
Metal

WEIGHT AND DIMENSIONS
120 lbs.
27" H, 18" W, 26" D

OTHER FEATURES
Automatic Paper Cutter

ACCESSORIES
Polarity Control
Coin Acceptor or Changer

WARRANTY PERIOD
90 Days

LIST PRICE
$1495.00 - $1695.00

GSA SCHEDULE
No

READER-PRINTER (If applicable)

PROCESS
Electrostatic

PRINT SPEED
6 per Minute

PRINT SIZE
8 1/2" x 11"

PRINT COST
$0.04

MICRO-SCAN SYSTEMS INC. Model P-50 Gypsy

MANUFACTURER/DISTRIBUTOR
Micro-Scan Systems Inc.

ADDRESS
151 Hallet Street
Boston, Massachusetts 02124

MODEL
P-50 Gypsy

LENSES AVAILABLE
22X or 24X

FICHE SIZES ACCEPTED
4" x 6"

SCREEN SIZE
12" x 12" Image

SCREEN COLOR
N/A

SCREEN TYPE
Opaque Surface on Desk Top

POSITIONING CONTROLS
Manual Scanning

OPTICAL SYSTEM
4-Element Lens

RATED LAMP LIFE
300 Hours

POWER REQUIREMENT
110 VAC 60 Hz

CONSTRUCTION MATERIAL
High-Impact Plastic

WEIGHT AND DIMENSIONS
11 lbs.
Closed: 14 3/4" H, 13" W, 8" D
Open: 16 3/4" H, 13" W, 16" D

OTHER FEATURES
Projects on Desk Top or Wall

ACCESSORIES
12-Volt Attachment

WARRANTY PERIOD
6 Months

LIST PRICE
$59.95

GSA SCHEDULE
$56.00

READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST

MICRO-SCAN SYSTEMS INC. Model K-71

MANUFACTURER/DISTRIBUTOR
Micro-Scan Systems Inc.

ADDRESS
151 Hallet Street
Boston, Massachusetts 02124

MODEL
K-71

LENSES AVAILABLE
15X, 19X, 22X, 24X, or 35X

FICHE SIZES ACCEPTED
4" x 6" and Tab Card Size

SCREEN SIZE
8 1/2" x 11"

SCREEN COLOR
Neutral

SCREEN TYPE
Polacoat, Nonglare
(Rear Projection)

POSITIONING CONTROLS
Single Knob Operation

OPTICAL SYSTEM
12-Volt Lamp
4-Element Lens

RATED LAMP LIFE
300 Hours

POWER REQUIREMENT
110 VAC 60 Hz

CONSTRUCTION MATERIAL
High-Impact Plastic

WEIGHT AND DIMENSIONS
15 lbs.
20" H, 10" W, 16" D

OTHER FEATURES
Gliding Lens for Constant Focus

ACCESSORIES
Roll Film Attachment (16 & 35mm)
Carrying Handle (kit)

WARRANTY PERIOD
6 Months

LIST PRICE
$129.00

GSA SCHEDULE
$121.00

READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST

MICRO-SCAN SYSTEMS INC. Escort Model K-100

MANUFACTURER/DISTRIBUTOR
Micro-Scan Systems Inc.

ADDRESS
151 Hallet Street
Boston, Massachusetts 02124

MODEL
Escort Model K-100

LENSES AVAILABLE
22X, 24X, 32X, or 42X

FICHE SIZES ACCEPTED
4" x 6" and Tab Card Size

SCREEN SIZE
7 1/4" x 10"

SCREEN COLOR
Neutral

SCREEN TYPE
Polacoat, Nonglare
(Rear Projection)

POSITIONING CONTROLS
Horizontal and Vertical
Scanning Dials

OPTICAL SYSTEM
12-Volt Lamp

RATED LAMP LIFE
250-300 Hours

POWER REQUIREMENT
110 VAC 60 Hz

CONSTRUCTION MATERIAL
High-Impact Plastic

WEIGHT AND DIMENSIONS
5 lbs.
11 3/16" H, 10 1/2" W, 6 1/16" D

OTHER FEATURES
Portable, Convenient Lap Design

ACCESSORIES
Carrying Case
12-Volt Attachment

WARRANTY PERIOD
6 Months

LIST PRICE
$149.50

GSA SCHEDULE
$140.50

READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST

MICRO-SCAN SYSTEMS INC. Model K-71D (Dual Lens)

MANUFACTURER/DISTRIBUTOR
Micro-Scan Systems Inc.

ADDRESS
151 Hallet Street
Boston, Massachusetts 02124

MODEL
K-71D (Dual Lens)

LENSES AVAILABLE
11X & 22X (Standard)
11X & 19X, 15X & 22X, 11X & 24X,
15X & 24X, 22X & 35X (Optional)

FICHE SIZES ACCEPTED
4" x 6" and Tab Card Size

SCREEN SIZE
8 1/2" x 11"

SCREEN COLOR
Neutral

SCREEN TYPE
Polacoat, Nonglare
(Rear Projection)

POSITIONING CONTROLS
Single Knob Operation

OPTICAL SYSTEM
12-Volt Lamp
4-Element Lens

RATED LAMP LIFE
300 Hours

POWER REQUIREMENT
110 VAC 60 Hz

CONSTRUCTION MATERIAL
High-Impact Plastic

WEIGHT AND DIMENSIONS
15 lbs.
20" H, 10" W, 16" D

OTHER FEATURES
Gliding Lens for Constant Focus

ACCESSORIES
Roll Film Attachment (16 & 35mm)
Carrying Handle (kit)

WARRANTY PERIOD
6 Months

LIST PRICE
$175.00 - Standard Lenses
$185.00 - Selected Combinations

GSA SCHEDULE
$164.50

READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST

MICROTECH PRESS Model PA-100

MANUFACTURER/DISTRIBUTOR
Microtech Press

ADDRESS
9655 W. Colfax Avenue
lakewood, Colorado 80215

MODEL
PA-100

LENSES AVAILABLE
24X, 75X

FICHE SIZES ACCEPTED
105mm x 148mm, 105mm x 350mm
Tab Size Microaperture Cards

SCREEN SIZE
24" x 32"

SCREEN COLOR
Gray

SCREEN TYPE
Reflex Opaque

POSITIONING CONTROLS
Manual
X-Y Scales

OPTICAL SYSTEM
8mm F1.8 Focal Plane Focusing
Quartz Halogen 45W

RATED LAMP LIFE
300 Hours

POWER REQUIREMENT
12 VAC 3.7 Amp

CONSTRUCTION MATERIAL
Plastic

WEIGHT AND DIMENSIONS
2 lbs. 6 ozs.
11" H, 3" W, 9" D

OTHER FEATURES
Virtual Image Kit
(300% Enlargement)

ACCESSORIES
Power Converter (110-120 VAC 60 Hz to 12 VAC), Rear Projector Screen Assy., 105mm Fiche Scanner

WARRANTY PERIOD
6 Months

LIST PRICE
$82.00 - $175.00 (Depending on Quantity)

GSA SCHEDULE
No

READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST

MICROVISION INC. Model R24-48

MANUFACTURER/DISTRIBUTOR
Microvision Inc.

ADDRESS
895 W. 16th Street
Newport Beach, California 92660

MODEL
Microvision R24-48

LENSES AVAILABLE
Views up to 48X

FICHE SIZES ACCEPTED
105mm x 148mm

SCREEN SIZE
25mm x 19mm Viewing Window

SCREEN COLOR
N/A

SCREEN TYPE
N/A

POSITIONING CONTROLS
None

OPTICAL SYSTEM
Virtual Image Glass Optics
2.5 Volt Lamp

RATED LAMP LIFE
15 Hours

POWER REQUIREMENT
2 Standard C Cells

CONSTRUCTION MATERIAL
ABS Plastic

WEIGHT AND DIMENSIONS
12 ozs. (with batteries)
5" H, 1 1/2" W, 2 3/4" D

OTHER FEATURES
Row and Column Index
Vinyl Carrying Case
Constant Focus

ACCESSORIES
110 VAC Plug Transformer
Automobile Cigar Lighter Adaptor

WARRANTY PERIOD
90 Days

LIST PRICE
$79.50

GSA SCHEDULE
N/A

READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST

3M COMPANY "Executive III" Reader/Printer

MANUFACTURER/DISTRIBUTOR
3M Company

ADDRESS
3M Center
St. Paul, Minnesota 55101

MODEL
"Executive III" Reader/Printer

LENSES AVAILABLE
15X, 20X, or 24X

FICHE SIZES ACCEPTED
Up to 4" x 8"

SCREEN SIZE
12" x 12"

SCREEN COLOR
White

SCREEN TYPE
Nonglare, Rear Projection

POSITIONING CONTROLS
Index Pointer
Hand Operated Film Holder

OPTICAL SYSTEM
12.5 Volt Lamp

RATED LAMP LIFE
200 Hours

POWER REQUIREMENT
105-125 VAC 60 Hz

CONSTRUCTION MATERIAL
High-Impact Polystyrene Cabinet
Steel Frame

WEIGHT AND DIMENSIONS
50 lbs.
24 1/2" H, 18 1/4" W, 25 1/2" D

OTHER FEATURES
Push-Button Print Operation

ACCESSORIES
Roll Film Attachment

WARRANTY PERIOD
1 Year (Glass Items 90 Days)

LIST PRICE
$455.00 (Suggested)

GSA SCHEDULE
$427.70

READER-PRINTER (If applicable)

PROCESS
Dry-Silver

PRINT SPEED
30 Seconds

PRINT SIZE
8 1/2" x 11"

PRINT COST
Dependent on Quantity

3M COMPANY "Executive IV" Reader/Printer

MANUFACTURER/DISTRIBUTOR
3M Company

ADDRESS
3M Center
St. Paul, Minnesota 55101

MODEL
"Executive IV" Reader/Printer

LENSES AVAILABLE
20X, 24X, or 32X

FICHE SIZES ACCEPTED
Up to 4" x 8"

SCREEN SIZE
14" x 12"

SCREEN COLOR
Blue

SCREEN TYPE
Nonglare, Rear Projection

POSITIONING CONTROLS
Index Pointer
Hand Operated Film Holder

OPTICAL SYSTEM
17.5 Volt Lamp (75 Watt)

RATED LAMP LIFE
250 Hours

POWER REQUIREMENT
105-125 VAC 60 Hz

CONSTRUCTION MATERIAL
High-Impact Polystyrene Cabinet
Steel Frame

WEIGHT AND DIMENSIONS
150 lbs.
24 1/2" H, 18 1/4" W, 25 1/2" D

OTHER FEATURES
Pushbutton Print Operation

ACCESSORIES
Roll Film Attachment

WARRANTY PERIOD
1 Year (Glass Items 90 Days)

LIST PRICE
$680.00 (Suggested)

GSA SCHEDULE
$639.20

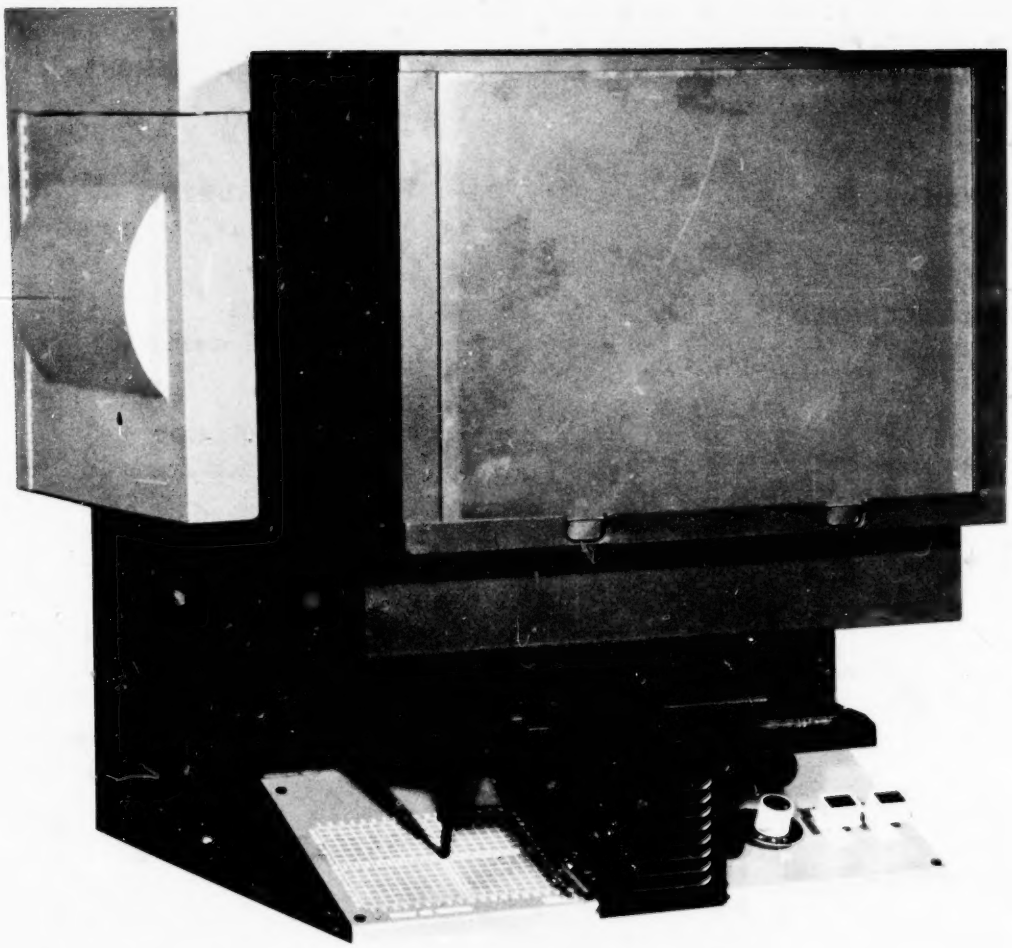
READER-PRINTER (If applicable)

PROCESS
Dry-Silver

PRINT SPEED
30 Seconds

PRINT SIZE
8 1/2" x 11"

PRINT COST
Dependent on Quantity



3M COMPANY "Miniscan" Viewer/Printer

MANUFACTURER/DISTRIBUTOR
3M Company

ADDRESS
3M Center
St. Paul, Minnesota 55101

MODEL
"Miniscan" Viewer/Printer

LENSES AVAILABLE
48X (Viewing)
36X (Printing)

FICHE SIZES ACCEPTED
105mm x 148mm

SCREEN SIZE
14" x 11"

SCREEN COLOR
Gray (Neutral)

SCREEN TYPE
Nonglare Acrylic

POSITIONING CONTROLS
Hand Operated Film Holder with Knob Controls

OPTICAL SYSTEM
109 Watt Lamp (at 17.2 Volts)

RATED LAMP LIFE
500 Hours

POWER REQUIREMENT
115 VAC 10 Amps

CONSTRUCTION MATERIAL
Steel Cabinet
Plastic and Aluminum

WEIGHT AND DIMENSIONS
104 lbs.
24 1/2" H, 21 1/4" W, 24" D

OTHER FEATURES
--

ACCESSORIES
None

WARRANTY PERIOD
1 Year (Glass Items 90 Days)

LIST PRICE
Not Available

GSA SCHEDULE
N/A

READER-PRINTER (If applicable)

PROCESS
Electroconductive

PRINT SPEED
13 Seconds

PRINT SIZE
8 1/2" x 11"

PRINT COST
Dependent on Quantity

3M COMPANY "400F" Reader/Printer

MANUFACTURER/DISTRIBUTOR
3M Company

ADDRESS
3M Center
St. Paul, Minnesota 55101

MODEL
"400F" Reader/Printer

LENSES AVAILABLE
6X, 8X, 10X, 12X, 14X, 15X, 18X, 20X, 23X, 25X, 29X, or 35X

FICHE SIZES ACCEPTED
Up to 8" x 6"

SCREEN SIZE
10" x 11 1/2"

SCREEN COLOR
Blue, Green, or Neutral

SCREEN TYPE
Rear Projection

POSITIONING CONTROLS
Hand Operated Film Holder
Interchangeable Index Grids

OPTICAL SYSTEM
200 Watt Lamp
Variable Lamp Voltage (Exposure)

RATED LAMP LIFE
100 Hours

POWER REQUIREMENT
100-130 VAC 60 Hz

CONSTRUCTION MATERIAL
Steel and Aluminum

WEIGHT AND DIMENSIONS
120 lbs.
28 1/2" H, 17 1/2" W, 22 3/4" D

OTHER FEATURES
180° Mechanical Image Rotation

ACCESSORIES
Half Sheet/Full Sheet Kit
Narrow Sheet Kit
Filter Assembly
Wide Screen Kit

WARRANTY PERIOD
1 Year (Glass Items 90 Days)

LIST PRICE
$1,375.00

GSA SCHEDULE
$1,292.50

READER-PRINTER (If applicable)

PROCESS
Electroconductive

PRINT SPEED
6 Seconds

PRINT SIZE
8 1/2" x 12 1/2"

PRINT COST
Dependent on Quantity

3M COMPANY "500F" Reader/Printer

MANUFACTURER/DISTRIBUTOR
3M Company

ADDRESS
3M Center
St. Paul, Minnesota 55101

MODEL
"500F" Reader/Printer

LENSES AVAILABLE
8X, 10X, 12X, 14X, 15X, 18X, 20X, 23X, 25X, 29X, 35X

FICHE SIZES ACCEPTED
Up to 6" x 8"

SCREEN SIZE
16" x 12"

SCREEN COLOR
Blue, Green, or Neutral

SCREEN TYPE
Rear Projection

POSITIONING CONTROLS
Index Grid Strips (Interchangeable)
Hand Operated Film Holder

OPTICAL SYSTEM
200 Watt Lamp
Variable Lamp Voltage (Exposure)

RATED LAMP LIFE
100 Hours

POWER REQUIREMENT
100-130 VAC 60 Hz

CONSTRUCTION MATERIAL
Steel and Aluminum

WEIGHT AND DIMENSIONS
136 lbs.
31 1/2" H, 20 1/4" W, 25 1/4" D

OTHER FEATURES
180° Mechanical Image Rotation

ACCESSORIES
Half Sheet/Full Sheet Kit
Narrow Sheet Kit
Filter Assembly

WARRANTY PERIOD
1 Year (Glass Items 90 Days)

LIST PRICE
$2,205.00 (Suggested)

GSA SCHEDULE
$2,072.70

READER-PRINTER (If applicable)

PROCESS
Dry-Silver

PRINT SPEED
10 Seconds

PRINT SIZE
8 1/2" x 12 1/2"

PRINT COST
Dependent on Quantity

NCR, SYSTEMEDIA DIVISION Model 456-113 Hand Viewer

MANUFACTURER/DISTRIBUTOR
NCR, Systemedia Division

ADDRESS
1000 Cox Plaza (Suite 540)
3131 S. Dixie Avenue
Dayton, Ohio 45439

MODEL
456-113 Hand Viewer

LENSES AVAILABLE
13X

FICHE SIZES ACCEPTED
105mm x 148mm and 3 1/4" x 7 3/8"
(Tab Card Size)

SCREEN SIZE
N/A

SCREEN COLOR
N/A

SCREEN TYPE
N/A

POSITIONING CONTROLS
Manual Movement

OPTICAL SYSTEM
Graduated Focus Control

RATED LAMP LIFE
N/A

POWER REQUIREMENT
Batteries (For Micro-Opaques).

CONSTRUCTION MATERIAL
High-Impact ABS Plastic

WEIGHT AND DIMENSIONS
8 ozs.
5" H, 2" W, 1 7/8" D

OTHER FEATURES
Maintenance Free
Views Micro-Opaques

ACCESSORIES
None

WARRANTY PERIOD
N/A

LIST PRICE
$35.00

GSA SCHEDULE
$31.50

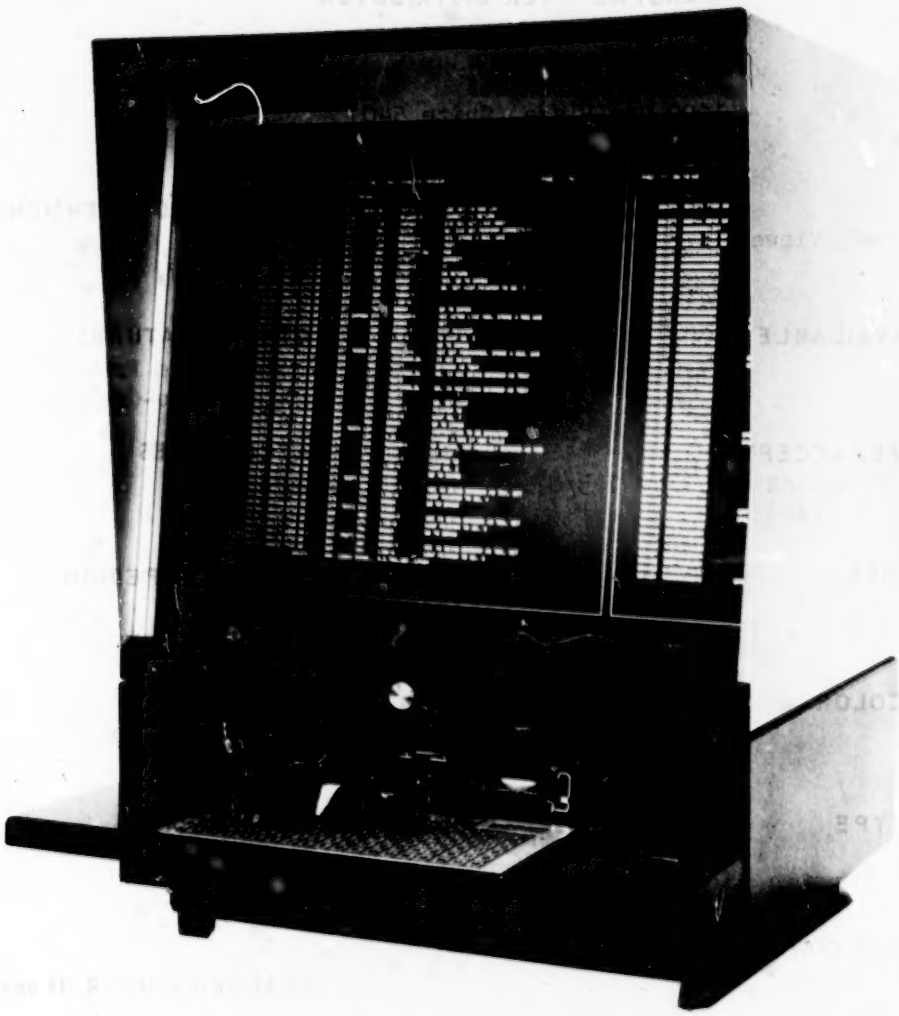
READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST



NCR, SYSTEMEDIA DIVISION Model 456-200 COM Reader

MANUFACTURER/DISTRIBUTOR
NCR, Systemedia Division

ADDRESS
1000 Cox Plaza (Suite 540)
3131 S. Dixie Avenue
Dayton, Ohio 45439

MODEL
456-200 COM Reader

LENSES AVAILABLE
18X, 24X, 42X, or 48X

FICHE SIZES ACCEPTED
105mm x 148mm and 3 1/4" x 7 3/8"
(Tab Card Size)

SCREEN SIZE
14 3/4" x 12 1/2"

SCREEN COLOR
Gray, Green, or Blue

SCREEN TYPE
Antiglare, Rear Projection

POSITIONING CONTROLS
Microfiche Carrier Handle

OPTICAL SYSTEM
100W Quartz Halogen Lamp
Anastigmatic Lenses

RATED LAMP LIFE
350 Hours (High Intensity)
450 Hours (Low Intensity)

POWER REQUIREMENT
115 VAC 60 Hz UL Approved
(Also 220 VAC)

CONSTRUCTION MATERIAL
Steel Cabinet
Aluminum Fiche Carrier

WEIGHT AND DIMENSIONS
46 lbs.
21 1/2" H, 16" W, 18" D

OTHER FEATURES
Nationwide Service, Two Position Light Switch, Magnetic Index Grids

ACCESSORIES
Double Fiche Carrier,
Interchangeable Lenses

WARRANTY PERIOD
90 Days

LIST PRICE
456-200 w/42X lens - $225.00
456-200 w/48X lens - $235.00

GSA SCHEDULE
456-200 w/42X lens - $198.00
456-200 w/48X lens - $206.80

READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST

NCR, SYSTEMEDIA DIVISION Model 456-300 Portable Reader

MANUFACTURER/DISTRIBUTOR
NCR, Systemedia Division

ADDRESS
1000 Cox Plaza (Suite 540)
3131 S. Dixie Avenue
Dayton, Ohio 45439

MODEL
456-300 Portable Reader

LENSES AVAILABLE
18X, 24X, 30X, or 38X

FICHE SIZES ACCEPTED
105mm x 148mm and 3 1/4" x 7 3/8"
(Tab Card Size)

SCREEN SIZE
10.2" x 10.5"

SCREEN COLOR
Gray, Blue, or Green

SCREEN TYPE
Antiglare, Rear Projection

POSITIONING CONTROLS
Carrier Handle

OPTICAL SYSTEM
Quartz Halogen Lamp
Constant Focus

RATED LAMP LIFE
350 Hours (High Intensity)
450 Hours (Low Intensity)

POWER REQUIREMENT
115 VAC 60 Hz UL Approved

CONSTRUCTION MATERIAL
High-Impact Plastic, Aluminum Fiche Carrier

WEIGHT AND DIMENSIONS
27 lbs.
23" H, 13" W, 9" D

OTHER FEATURES
Nationwide Service
Index Grids
Two Position Light Switch

ACCESSORIES
Interchangeable Lenses
12V DC Power Option (Auto)

WARRANTY PERIOD
90 Days

LIST PRICE
$225.00

GSA SCHEDULE
$198.00

READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST

NCR, SYSTEMEDIA DIVISION Model 456-800

MANUFACTURER/DISTRIBUTOR
NCR, Systemedia Division

ADDRESS
1000 Cox Plaza (Suite 540)
3131 S. Dixie Avenue
Dayton, Ohio 45439

MODEL
456-800

LENSES AVAILABLE
18X, 24X, 42X, or 48X

FICHE SIZES ACCEPTED
105mm x 148mm & 3 1/4" x 7 3/8" (Tab Card Size)

SCREEN SIZE
19 3/4" x 13 5/16"

SCREEN COLOR
Green, Gray, or Blue

SCREEN TYPE
Antiglare, Rear Projection

POSITIONING CONTROLS
Fingertip with X-Y Indexing

OPTICAL SYSTEM
Anastigmatic, Diamond-Ground Lenses

RATED LAMP LIFE
350 Hours (High Intensity)
450 Hours (Low Intensity)

POWER REQUIREMENT
115 VAC 60 Hz UL Approved

CONSTRUCTION MATERIAL
Steel Cabinet

WEIGHT AND DIMENSIONS
52 lbs.
23" H, 21" W, 20" D

OTHER FEATURES
Nationwide Service

ACCESSORIES
Dual Fiche Carrier

WARRANTY PERIOD
90 Days

LIST PRICE
$295.00

GSA SCHEDULE
$265.00

READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST

NORTHWEST MICROFILM, INC. Model NMI 90

MANUFACTURER/DISTRIBUTOR
Northwest Microfilm, Inc.

ADDRESS
15 North 8th Street
Minneapolis, Minnesota 55403

MODEL
NMI 90

LENSES AVAILABLE
24X, 42X, or 48X

FICHE SIZES ACCEPTED
Up to 4" x 7 3/8"

SCREEN SIZE
13" x 10 1/2"

SCREEN COLOR
Blue

SCREEN TYPE
Nonglare, Rear Projection

POSITIONING CONTROLS
Fingertip Controlled Glass Platen

OPTICAL SYSTEM
150W Quartz Halogen Lamp
Dichroic Heat Filter

RATED LAMP LIFE
200-800 Hours
(Depending on Light Intensity)

POWER REQUIREMENT
115 VAC 60 Hz

CONSTRUCTION MATERIAL
Aluminum and Extruded Plastic

WEIGHT AND DIMENSIONS
25 lbs.
19" H, 14 1/2" W, 17 1/2" D

OTHER FEATURES
Self Opening Carrier, Variable Light Intensity, Interchangeable Floating Lens

ACCESSORIES
Dual 4" x 6" Fiche Carrier

WARRANTY PERIOD
6 Months

LIST PRICE
$199.00 FOB (Available Dec 73)

GSA SCHEDULE
N/A

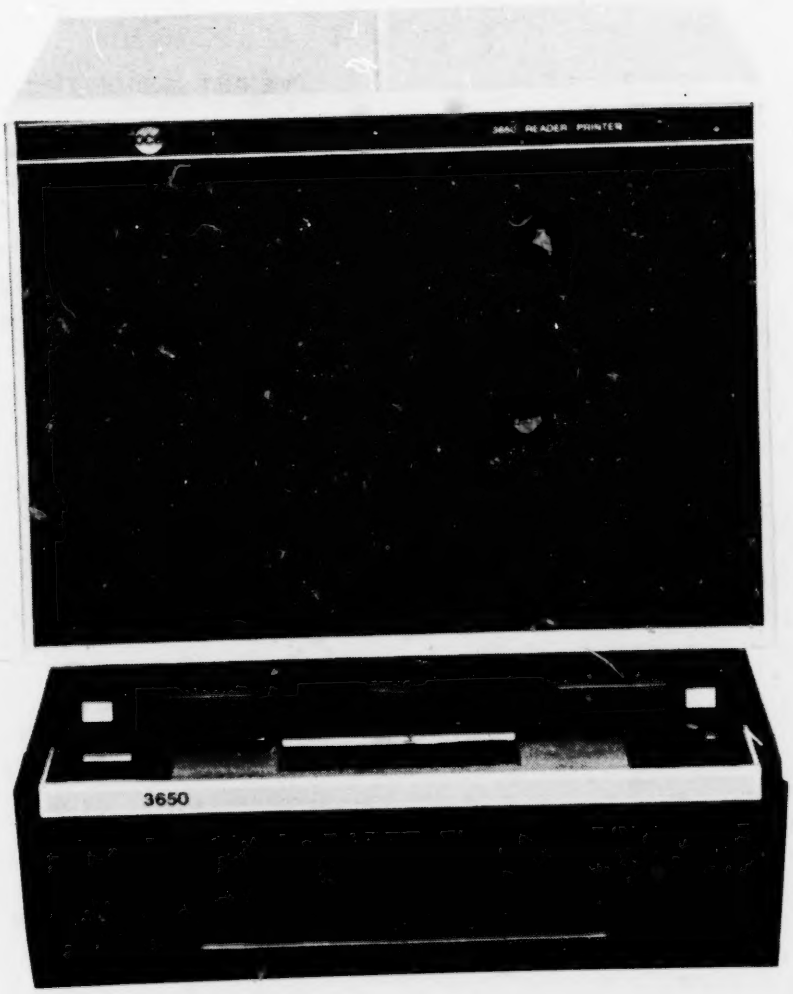
READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST



OCE' - INDUSTRIES INC. Model 3650 Reader/Printer

MANUFACTURER/DISTRIBUTOR
Oce' - Industries Inc.

ADDRESS
Repro Systems Division
6500 N. Lincoln Avenue
Chicago, Illinois 60645

MODEL
3650 Reader/Printer

LENSES AVAILABLE
18X, 24X, 32X, 36X, or 42X
(Operator Interchangeable)

FICHE SIZES ACCEPTED
105mm x 148mm

SCREEN SIZE
12" x 12"

SCREEN COLOR
Green Tint

SCREEN TYPE
Nonglare, Rear Projection

POSITIONING CONTROLS
Manual Fingertip
X-Y Coordinate Grids

OPTICAL SYSTEM
"Floating" 6-Element Lenses
Quartz Halogen Lamp

RATED LAMP LIFE
200-500 Hours

POWER REQUIREMENT
115 VAC 60 Hz 8 Amps

CONSTRUCTION MATERIAL
Metal and Plastic

WEIGHT AND DIMENSIONS
120 lbs.
24" H, 19" W, 36" D

OTHER FEATURES
180° Mechanical Image Rotation

ACCESSORIES
Stand, Polarity Control,
Copy Counter

WARRANTY PERIOD
1 Year

LIST PRICE
$1,470.00 (FOB)

GSA SCHEDULE
$1,395.00

READER-PRINTER (If applicable)

PROCESS
Electrostatic

PRINT SPEED
1st Copy - 8.5 Seconds
Additional Copies - 4 Seconds

PRINT SIZE
8"x 8 1/2" or 8 1/2" x 11"

PRINT COST
$0.04 (8 1/2" x 11")

QUANTOR CORPORATION Model 305

MANUFACTURER/DISTRIBUTOR
Quantor Corporation

ADDRESS
520 Logue Avenue
Mountain View, California 94040

MODEL
Quantor 305

LENSES AVAILABLE
18X or 32X

FICHE SIZES ACCEPTED
105mm x 148mm

SCREEN SIZE
11" x 8 1/2"

SCREEN COLOR
Blue or Green

SCREEN TYPE
Nonglare, Rear Projection

POSITIONING CONTROLS
Bar Fingertip Frame Selector

OPTICAL SYSTEM
Constant Focus Floating Lens
Quartz Halogen Lamp

RATED LAMP LIFE
1000 Hours

POWER REQUIREMENT
110-120 VAC 50/60 Hz, 100 Watts

CONSTRUCTION MATERIAL
Steel and Aluminum

WEIGHT AND DIMENSIONS
25 lbs.
17" H, 12" W, 18 1/2" D

OTHER FEATURES
X-Y Index Plate

ACCESSORIES
Dual 4" x 12" Fiche Carrier

WARRANTY PERIOD
90 Days (Parts and Labor)

LIST PRICE
$175.00

GSA SCHEDULE
N/A

READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST

READEX MICROPRINT CORPORATION Universal Micro-Viewer

MANUFACTURER/DISTRIBUTOR
Readex Microprint Corporation

ADDRESS
101 Fifth Avenue
New York, New York 10003

MODEL
Universal Micro-Viewer

LENSES AVAILABLE
23X

FICHE SIZES ACCEPTED
Up to 6" x 9"

SCREEN SIZE
9 13/16" x 12 3/5"

SCREEN COLOR
Light Green

SCREEN TYPE
Rear Projection

POSITIONING CONTROLS
Manual Glass Flats

OPTICAL SYSTEM
f/1.6 Lens
15W Lamp

RATED LAMP LIFE
500 Hours (Continuous)
100 Hours (On and Off)

POWER REQUIREMENT
115 VAC 60 Hz

CONSTRUCTION MATERIAL
Molded Thermoplastic

WEIGHT AND DIMENSIONS
24 lbs.
22 3/4" H, 11 1/4" W, 20 1/4" D

OTHER FEATURES
Also Reads Micro-Opaques
360° Image Rotation

ACCESSORIES
None

WARRANTY PERIOD
1 Year (Parts)

LIST PRICE
$295.00

GSA SCHEDULE
N/A

READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST

REALIST, INC. Compact (3363)

MANUFACTURER/DISTRIBUTOR
Realist, Inc.
Microform Products Division
ADDRESS
N93 W16288 Megal Drive
Menomonee Falls, Wisconsin 53051

MODEL
Compact (3363)

LENSES AVAILABLE
18X/24X Dual Lens (Standard)
32X or 42X (Optional)

FICHE SIZES ACCEPTED
105mm x 148mm

SCREEN SIZE
8" x 11"

SCREEN COLOR
Blue

SCREEN TYPE
Nonglare, Rear Projection

POSITIONING CONTROLS
None

OPTICAL SYSTEM
Constant Focus Floating Optical Lens
10W Quartz Halogen Lamp

RATED LAMP LIFE
300 Hours

POWER REQUIREMENT
110, 127, 220, 240 VAC or
6V DC using Standard "D" Batteries

CONSTRUCTION MATERIAL
High-Impact Plastic

WEIGHT AND DIMENSIONS
5 lbs. without "D" Batteries
8 lbs. with 6 "D" Batteries
Closed: 3" H, 9 1/2" W, 12 1/2" D
Open: 14" H, 9 1/2" W, 12 1/2" D

OTHER FEATURES
Converts to Projector, Built-In Fiche Storage for 250 Fiche

ACCESSORIES
Fiche Carrier
Decora Cover/Carrying Case

WARRANTY PERIOD
1 Year

LIST PRICE
$99.99

GSA SCHEDULE
$90.00

READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST

REALIST, INC. Vantage I

MANUFACTURER/DISTRIBUTOR
Realist, Inc.
Microform Products Division
ADDRESS
N93 W16288 Megal Drive
Menomonee Falls, Wisconsin 53051

MODEL
Vantage I and
Vantage II

LENSES AVAILABLE
A: 10X - 13X D: 18X - 25X G: 38X - 49X
B: 13X - 17X E: 22X - 29X K: 98X - 125X
C: 16X - 22X F: 28X - 36X

FICHE SIZES ACCEPTED
Up to 4" x 8"

SCREEN SIZE
V-I = 9" x 12" (Vertical)
V-II = 12" x 9" (Horizontal)

SCREEN COLOR
Gray or Blue

SCREEN TYPE
Nonglare, Rear Projection

POSITIONING CONTROLS
Stylus Pointer on Grip Bar
Automatic Opening Carrier

OPTICAL SYSTEM
Constant Focus Floating Lens

RATED LAMP LIFE
500 Hours

POWER REQUIREMENT
110/120 VAC 60 Hz
220/240 VAC 50 Hz

CONSTRUCTION MATERIAL
Steel and Aluminum

WEIGHT AND DIMENSIONS
25 lbs.
17" H, 13" W, 9" D

OTHER FEATURES
Vari-Optic Increases Magnification 25%, Drop-In Interchangeable Lenses Automatic On-Off Switch, UL Listed

ACCESSORIES
Turntable, Stand, Dust Cover, Select-Lens Holder, Carrying Case, Light Shield, Extra Lenses, Extension Screen

WARRANTY PERIOD
1 Year

LIST PRICE
$180.00

GSA SCHEDULE
$155.00

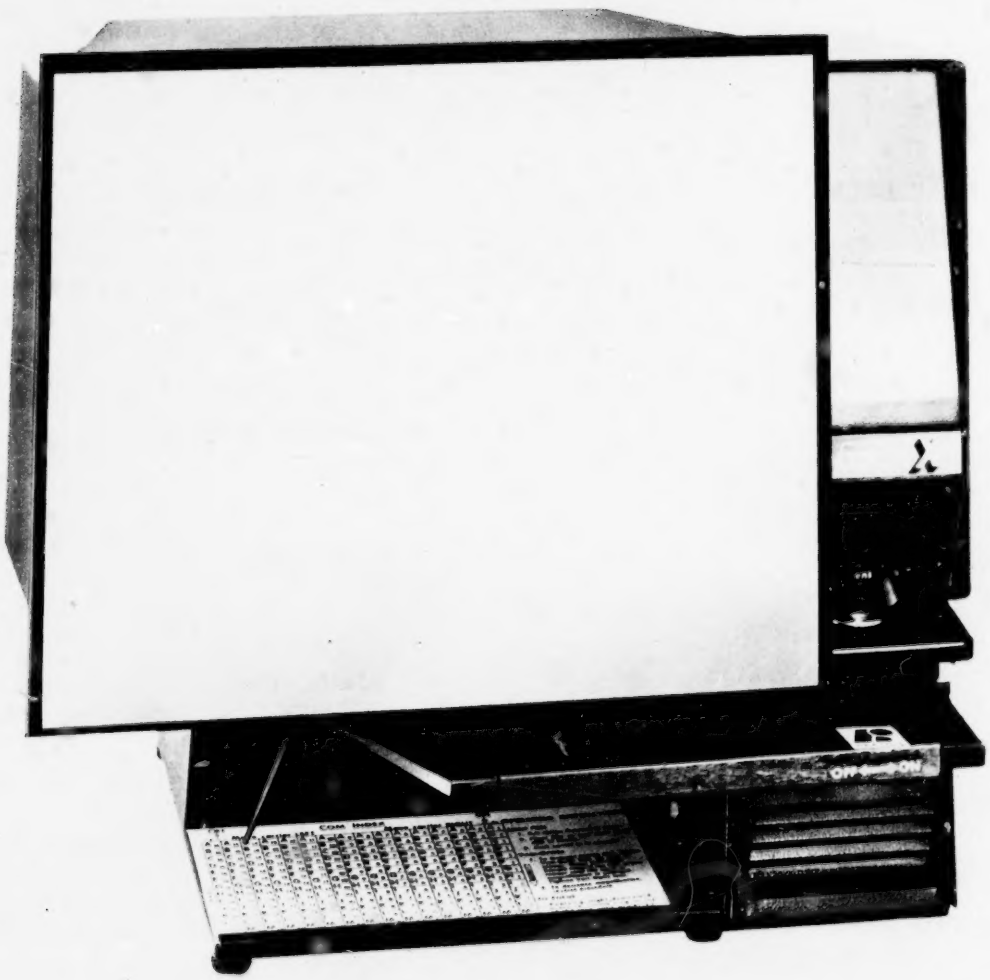
READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST



REALIST, INC. Vantage XII

MANUFACTURER/DISTRIBUTOR

Realist, Inc.
Microform Products Division

ADDRESS

N93 W16288 Megal Drive
Menomonee Falls, Wisconsin 53051

MODEL
Vantage X-I and
Vantage X-II

LENSES AVAILABLE
A: 12X - 15X
B: 15X - 20X
C: 20X - 25X
D: 23X - 29X
E: 26X - 33X
F: 33X - 42X
G: 45X - 56X
K: 115X - 140X

FICHE SIZES ACCEPTED
Up to 4" x 8"

SCREEN SIZE
VX-1 = 11" x 14" (Vertical)
VX-II = 14" x 11" (Horizontal)

SCREEN COLOR
Gray or Blue

SCREEN TYPE
Nonglare, Rear Projection

POSITIONING CONTROLS
Stylus Pointer
Automatic Opening Fiche Carrier

OPTICAL SYSTEM
Constant Focus Floating Lens
Quartz Halogen Lamp

RATED LAMP LIFE
500 Hours

POWER REQUIREMENT
110/120 VAC 60 Hz
220/240 VAC 50 Hz

CONSTRUCTION MATERIAL
Steel and Aluminum

WEIGHT AND DIMENSIONS
28 lbs.
23" H, 15" W, 12" D

OTHER FEATURES
Vari-Optic Increases Magnification 25%, Drop-In Interchangeable Lenses, Automatic On-Off Switch, UL and CSA Listed

ACCESSORIES
Turntable, Stand, Dust Cover, Select-Lens Holder, Carrying Case, Extra Lenses

WARRANTY PERIOD
1 Year

LIST PRICE
$210.00

GSA SCHEDULE
$187.00

READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST

REALIST, INC. Vanguard

MANUFACTURER/DISTRIBUTOR

Realist, Inc.
Microform Products Division

ADDRESS

N93 W16288 Megal Drive
Menomonee Falls, Wisconsin 53051

MODEL Vangard
3332 - Single Lens
3334 - Dual Lens
3335 - Tri Lens

LENSES AVAILABLE
3332 - 24X, 27X, 30X, 36X, 42X, 48X or 50X
3334 - 11.5X & 24X, 24X & 42X, or 24X & 48X
3335 - 11.5X & 24X & 42X, or 11.5X & 24X & 48X

FICHE SIZES ACCEPTED
Up to 6" x 8"

SCREEN SIZE
19" x 13"

SCREEN COLOR
Gray or Blue

SCREEN TYPE
Acrylic
Rear Projection

POSITIONING CONTROLS
X-Y Index
Self-Opening Carrier

OPTICAL SYSTEM
Floating Lenses
Quartz Halogen Lamp

RATED LAMP LIFE
175 Hours

POWER REQUIREMENT
110/120 VAC 60 Hz or
220/240VAC 50 Hz

CONSTRUCTION MATERIAL
Steel and Aluminum

WEIGHT AND DIMENSIONS
65 lbs.
24 1/2" H, 19 1/2" W, 21" D

OTHER FEATURES
Self Contained Multi-Lens System
High-Low Intensity Switch
UL and CSA Listed

ACCESSORIES
Dust Cover, Stand, Turntable,
Quality Image Kit

WARRANTY PERIOD
1 Year

LIST PRICE
3332 - $299.00
3334 - $435.00
3335 - $480.00

GSA SCHEDULE
3332 - $255.00
3334 - $370.00
3335 - $408.00

READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST

REALIST, INC. Vista-COM

MANUFACTURER/DISTRIBUTOR

Realist, Inc.
Microform Products Division

ADDRESS

N93 W16288 Megal Drive
Menomonee Falls, Wisconsin 53051

MODEL Vista - COM
3340 - Single Lens
3342 - Dual Lens
3343 - Tri Lens

LENSES AVAILABLE
3340 - 24X, 42X, or 48X
3342 - 11.5X & 24X, 24X & 42X, 24X & 48X, or 11.5X & 48X
3343 - 11.5X, 24X, 42X, or 11.5X, 24X, 48X

FICHE SIZES ACCEPTED
Up to 6" x 8"

SCREEN SIZE
19" x 13"

SCREEN COLOR
Gray or Blue

SCREEN TYPE
Acrylic
Rear Projection

POSITIONING CONTROLS
Automatic Opening Fiche Carrier with Stylus Pointer

OPTICAL SYSTEM
Floating Lens for Constant Focus
Quartz Halogen Lamp

RATED LAMP LIFE
175 Hours

POWER REQUIREMENTS
110/120 VAC 60 Hz
220/240 VAC 50

CONSTRUCTION MATERIAL
Steel and Aluminum

WEIGHT AND DIMENSIONS
55 lbs.
24" H, 19" W, 14 1/2" D

OTHER FEATURES
Built-in Dust Protector Index Panel, Hi-Low Intensity Switch, UL and CSA Listed

ACCESSORIES
Stand, Turntable, Dust Cover, Quality Image Kit

WARRANTY PERIOD
1 Year

LIST PRICE
3340 - $330.00
3342 - $465.00
3343 - $499.00

GSA SCHEDULE
3340 - $280.00
3342 - $395.00
3343 - $424.00

READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST

REALIST, INC. Vista-Zoom

MANUFACTURER/DISTRIBUTOR
Realist, Inc.
Microform Products Division
ADDRESS
N93 W16288 Megal Drive
Menomonee Falls, Wisconsin 53051

MODEL Vista-Zoom
3337 - Single Lens
3338 - Dual Lens
3339 - Tri Lens

LENSES AVAILABLE
3337 - 24X, 27X, 30X, 36X, 42X, or 50X
3338 - 11.5X & 24X, 24X & 48X, or 27X & 50X
3339 - 11.5X & 24X & 42X or 14X & 27X & 50X

FICHE SIZES ACCEPTED
Up to 6" x 8"

SCREEN SIZE
19" x 13"

SCREEN COLOR
Gray or Blue

SCREEN TYPE
Acrylic
Rear Projection

POSITIONING CONTROLS
X-Y Indexing with Pointer
Automatic Opening Carrier

OPTICAL SYSTEM
Constant Focus Floating Lens
Quartz Halogen Lamp

RATED LAMP LIFE
175 Hours

POWER REQUIREMENT
110/120 VAC 60 Hz
220/240 VAC 50 Hz

CONSTRUCTION MATERIAL
Steel and Aluminum

WEIGHT AND DIMENSIONS
65 lbs.
22" H, 19" W, 14 1/2" D

OTHER FEATURES
Zoom Screen Increases Magnification by 25%

ACCESSORIES
Stand, Turntable, Dust Cover, Quality Image Kit

WARRANTY PERIOD
1 Year

LIST PRICE
3337 - $449.00
3338 - $555.00
3339 - $599.00

GSA SCHEDULE
3337 - $382.00
3338 - $472.00
3339 - $510.00

READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST

SEACO COMPUTER-DISPLAY, INC. Model 210

MANUFACTURER/DISTRIBUTOR
SEACO Computer-Display, Inc.

ADDRESS
2800 West Kingsley Road
Garland, Texas 75041

MODEL
SEACO 210

LENSES AVAILABLE
18X, 21X, 32X, or 36X

FICHE SIZES ACCEPTED
Up to 105mm x 148mm

SCREEN SIZE
11" x 8 1/2" or
12" x 9 1/2"

SCREEN COLOR
Blue

SCREEN TYPE
Nonglare, Rear Projection

POSITIONING CONTROLS
Manual X-Y Movement with Locating Grid

OPTICAL SYSTEM
Glass 5-Element Floating Lens

RATED LAMP LIFE
500 Hours Minimum

POWER REQUIREMENT
117 VAC 60 Hz 1 1/2 Amp
220 VAC 50 Hz or 100 VAC 50-60 Hz

CONSTRUCTION MATERIAL
Noryl and Metal

WEIGHT AND DIMENSIONS
12 lbs.
17" H, 13" W, 9" D

OTHER FEATURES
Interchangeable Lenses

ACCESSORIES
Carrying Case
Hood
Dust Cover

WARRANTY PERIOD
90 Days

LIST PRICE
$169 - $175

GSA SCHEDULE
N/A

READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST

SEACO COMPUTER-DISPLAY, INC. Model 310 Reader/Printer

MANUFACTURER/DISTRIBUTOR
SEACO Computer-Display, Inc.

ADDRESS
2800 West Kingsley Road
Garland, Texas 75041

MODEL
SEACO 310 Reader/Printer

LENSES AVAILABLE
18X or 32X

FICHE SIZES ACCEPTED
Up to 4" x 7 3/8"

SCREEN SIZE
11" x 8 1/2"

SCREEN COLOR
Gray

SCREEN TYPE
Nonglare, Rear Projection

POSITIONING CONTROLS
Manual X-Y with Locating Grid

OPTICAL SYSTEM
Glass 5-Element Floating Lens

RATED LAMP LIFE
500 Hours

POWER REQUIREMENT
117 VAC 60 Hz 3 Amp
220 VAC 50 Hz or 100 VAC 50-60 Hz

CONSTRUCTION MATERIAL
Noryl and Metal

WEIGHT AND DIMENSIONS
65 lbs.
20" H, 18" W, 18" D

OTHER FEATURES
Interchangeable lenses,
Built-in Swivel Base

ACCESSORIES
None

WARRANTY PERIOD
90 Days

LIST PRICE
$1495.00

GSA SCHEDULE
N/A

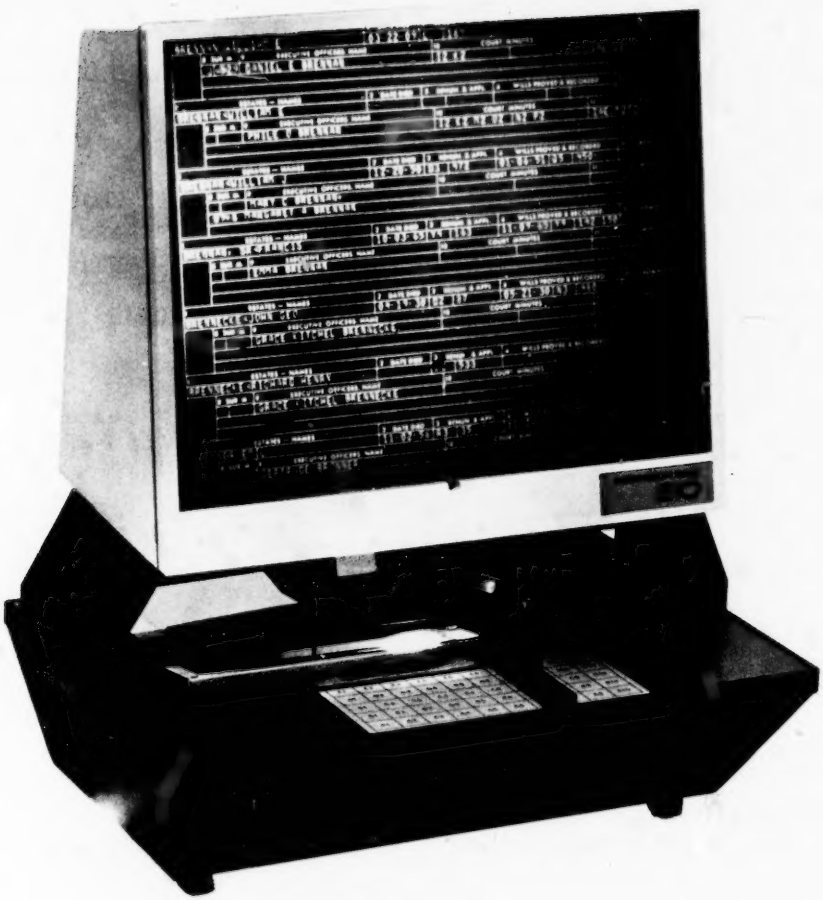
READER-PRINTER (If applicable)

PROCESS
Electrostatic

PRINT SPEED
8 Seconds

PRINT SIZE
8 1/2" x 11"

PRINT COST
4-5 Cents



SPERRY REMINGTON Model F-50

MANUFACTURER/DISTRIBUTOR
Sperry Remington, Office Systems Division

ADDRESS
Box 1000
Blue Bell, Pennsylvania 19422

MODEL
F-50 (18X) F-52 (32X)
F-51 (21X) F-53 (36X)

LENSES AVAILABLE
Various (See Model)

FICHE SIZES ACCEPTED
105mm x 148mm

SCREEN SIZE
11" x 8 3/4"

SCREEN COLOR
Blue

SCREEN TYPE
Nonglare, Rear Projection

POSITIONING CONTROLS
Fingertip with X-Y Coordinate Indexing

OPTICAL SYSTEM
150 Watt Quartz Halogen Lamp
Floating Lens

RATED LAMP LIFE
500 Hours

POWER REQUIREMENT
115 VAC 60 Hz

CONSTRUCTION MATERIAL
Plastic

WEIGHT AND DIMENSIONS
12 lbs.
16" H, 13" W, 9" D

OTHER FEATURES
Constant Focus

ACCESSORIES
Screen Extension
Interchangeable Lenses

WARRANTY PERIOD
90 Days

LIST PRICE
$185 - $190 (Depending on Magnification)

GSA SCHEDULE
$165 - $170

READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST

SPERRY REMINGTON Model F-450

MANUFACTURER/DISTRIBUTOR
Sperry Remington, Office Systems Division

ADDRESS
Box 1000
Blue Bell, Pennsylvania 19422

MODEL
F-450

LENSES AVAILABLE
18X or 24X

FICHE SIZES ACCEPTED
105mm x 148mm and
Tab Card Size

SCREEN SIZE
14" x 11"

SCREEN COLOR
Blue

SCREEN TYPE
Rear Projection

POSITIONING CONTROLS
Fingertip

OPTICAL SYSTEM
Four-Position Variable Illumination

RATED LAMP LIFE
350 Hours

POWER REQUIREMENT
115 VAC 50-60 Hz 150 Watts

CONSTRUCTION MATERIAL
Metal

WEIGHT AND DIMENSIONS
35 lbs.
17 1/2" H, 16" W, 15" D

OTHER FEATURES
Auto-Opening Glass Flats

ACCESSORIES
--

WARRANTY PERIOD
6 Months

LIST PRICE
$279.00

GSA SCHEDULE
N/A

READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST

SPERRY REMINGTON Model F-57

MANUFACTURER/DISTRIBUTOR
Sperry Remington, Office Systems Division

ADDRESS
Box 1000
Blue Bell, Pennsylvania 19422

MODEL
F57 and F58

LENSES AVAILABLE
24X or 43X

FICHE SIZES ACCEPTED
Up to 6" x 8"

SCREEN SIZE
19" x 13"

SCREEN COLOR
Gray

SCREEN TYPE
Rear Projection

POSITIONING CONTROLS
Knob Frame Selector

OPTICAL SYSTEM
EKX Halogen Lamp with Cooling Fan

RATED LAMP LIFE
350 Hours

POWER REQUIREMENT
110-120 VAC 60 Hz

CONSTRUCTION MATERIAL
Steel

WEIGHT AND DIMENSIONS
59 lbs.
24 1/2" H, 19 3/4" W, 20 7/8" D

OTHER FEATURES
Index Pointer

ACCESSORIES
--

WARRANTY PERIOD
90 Days

LIST PRICE
$369.00

GSA SCHEDULE
N/A

READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST

SPERRY REMINGTON REMKARD-F201

MANUFACTURER/DISTRIBUTOR
Sperry Remington, Office Systems Division

ADDRESS
Box 1000
Blue Bell, Pennsylvania 19422

MODEL
REMKARD-F201

LENSES AVAILABLE
20X, 24X, 26X, 32X or
42X

FICHE SIZES ACCEPTED
105mm x 148mm (specially clipped)

SCREEN SIZE
18" x 12"

SCREEN COLOR
Gray

SCREEN TYPE
Rear Projection

POSITIONING CONTROLS
Push Button

OPTICAL SYSTEM
Quartz Iodine Lamp
Infrared Filter

RATED LAMP LIFE
350 Hours

POWER REQUIREMENT
110 VAC 60 Hz

CONSTRUCTION MATERIAL
Steel and Plastic

WEIGHT AND DIMENSIONS
93 lbs.
19 3/8" H, 18 1/2" W, 25 1/2" D

OTHER FEATURES
Automatic Retrieval

ACCESSORIES
Computer Interface

WARRANTY PERIOD
6 Months

LIST PRICE
Not Available

GSA SCHEDULE
$4,322.50 (42X Extra)

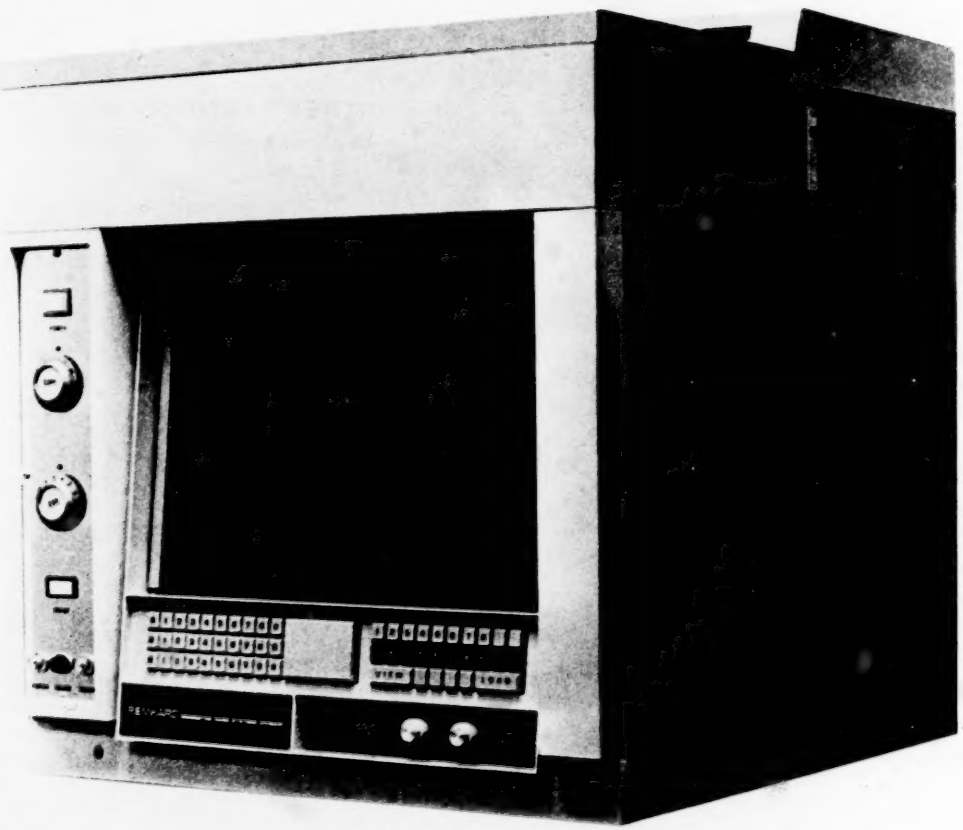
READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST



SPERRY REMINGTON REMKARD-F201.1 (Reader Printer)

MANUFACTURER/DISTRIBUTOR
Sperry Remington, Office Systems Division

ADDRESS
Box 1000
Blue Bell, Pennsylvania 19422

MODEL
REMKARD-F201.1 (Reader Printer)

LENSES AVAILABLE
20X, 24X, 26X, or 32X

FICHE SIZES ACCEPTED
105mm x 148mm (specially clipped)

SCREEN SIZE
18" x 12"

SCREEN COLOR
Gray

SCREEN TYPE
Rear Projection

POSITIONING CONTROLS
Push Button

OPTICAL SYSTEM
Quartz Iodine Lamp
Infrared Filter

RATED LAMP LIFE
350 Hours

POWER REQUIREMENT
115 VAC 60 Hz

CONSTRUCTION MATERIAL
Steel

WEIGHT AND DIMENSIONS
348 lbs.
30 1/2" H, 26" W, 31" D

OTHER FEATURES
Automatic Retrieval

ACCESSORIES
Computer Interface

WARRANTY PERIOD
90 Days

LIST PRICE
Not Available

GSA SCHEDULE
N/A

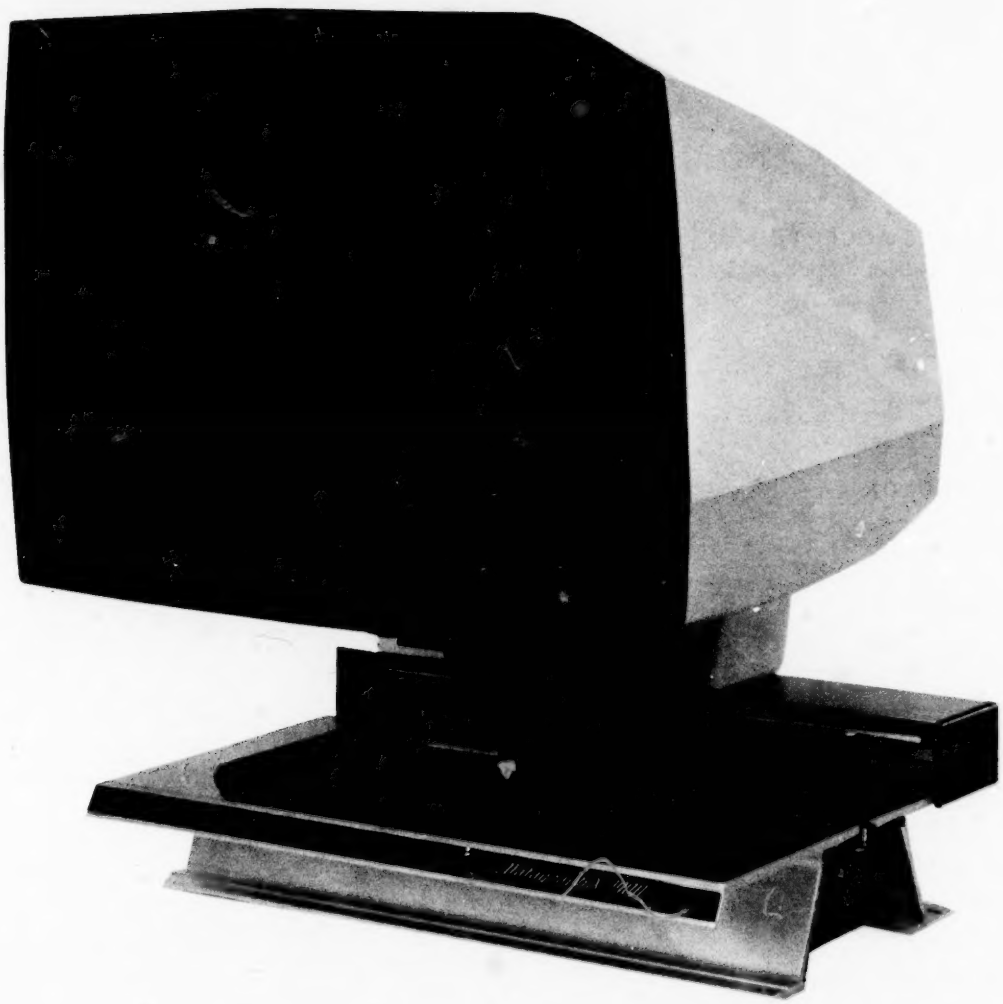
READER-PRINTER (If applicable)

PROCESS
Electro Photographic

PRINT SPEED
1st Print - 11 Seconds
Additional Prints - 4 Seconds

PRINT SIZE
8 1/2" x 11" and 11" x 14"

PRINT COST
$0.05 and $0.08



STROMBERG DATAGRAPHIX Model 1400

MANUFACTURER/DISTRIBUTOR
Stromberg Datagraphix

ADDRESS
P. O. Box 2449
San Diego, California 92112

MODEL
1400 and 1401

LENSES AVAILABLE
24X, 42X, or 48X
(3/4 Blowback)

FICHE SIZES ACCEPTED
Model 1400: 105mm x 148mm
Model 1401: Up to 4" x 12

SCREEN SIZE
11 1/2" x 9"

SCREEN COLOR
Blue or Gray

SCREEN TYPE
Rear Projection, Nonglare

POSITIONING CONTROLS
Fingertip Handle

OPTICAL SYSTEM
Constant Focus
Floating Lens

RATED LAMP LIFE
300 Hours (Minimum)

POWER REQUIREMENT
100-120 VAC 50/60 Hz or
200-240 VAC 50/60 Hz

CONSTRUCTION MATERIAL
Plastic and Aluminum

WEIGHT AND DIMENSIONS
Model 1400: 20 lbs. 18" H, 18" H, 15 1/2" W, 16" D
Model 1401: 30 lbs. 18" H, 29" W, 16" D

OTHER FEATURES
Ball Bearing Carrier
Heat Sink Design
UL Approved

ACCESSORIES
Extended Screen
Viewing Hood
Dust Cover

WARRANTY PERIOD
90 Days

LIST PRICE
Model 1400: $145.00
Model 1401: $161.00
(Rental Available)

GSA SCHEDULE
Model 1400: $136.30
Model 1401: N/A

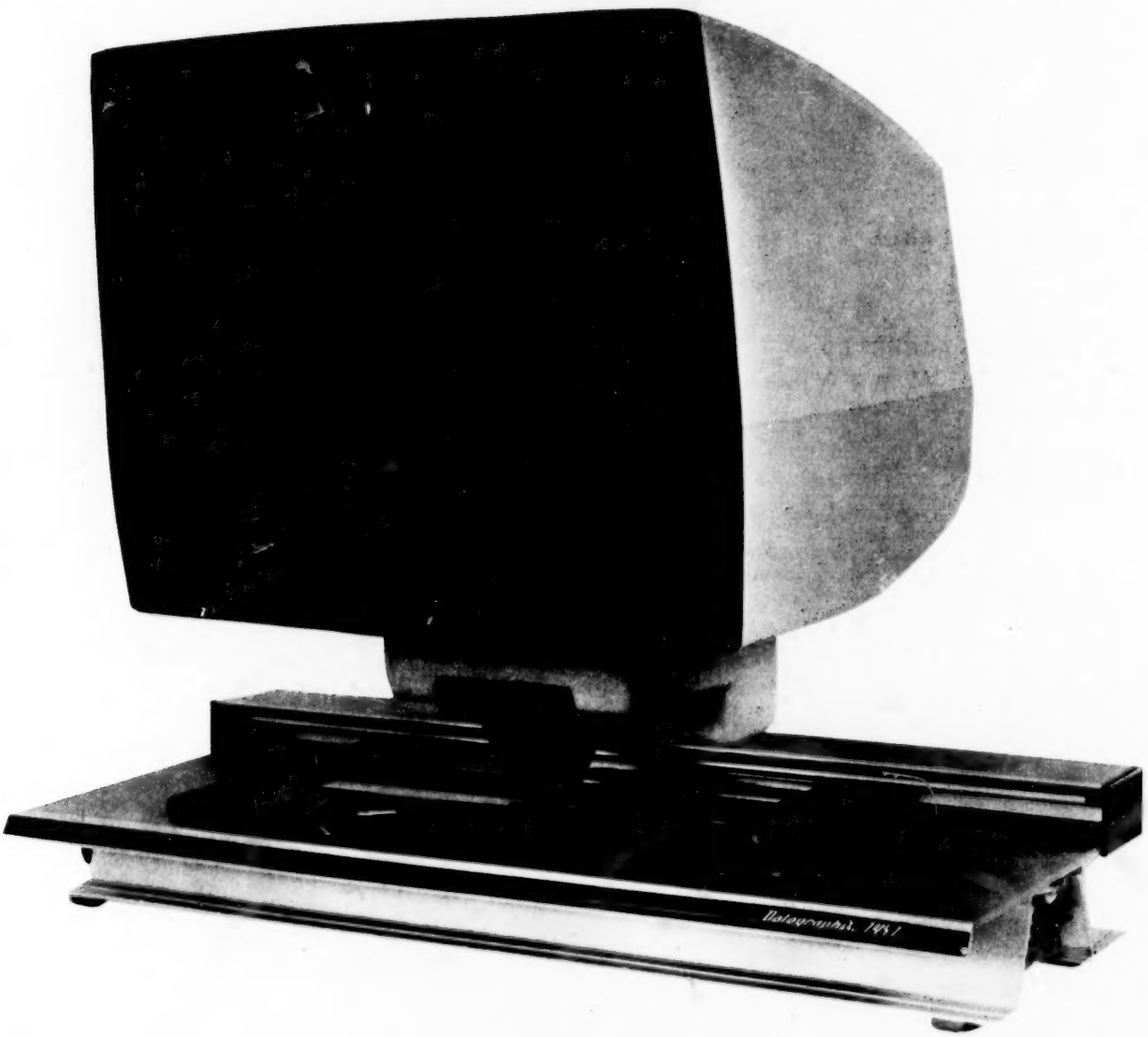
READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST



STROMBERG DATAGRAPHIX Model 1451

MANUFACTURER/DISTRIBUTOR
Stromberg Datagraphix

ADDRESS
P. O. Box 2449
San Diego, California 92112

MODEL
1450 and 1451

LENSES AVAILABLE
24X, 42X, or 48X

FICHE SIZES ACCEPTED
Model 1450: Up to 4" x 7 3/8"
Model 1451: Up to 4" x 12"

SCREEN SIZE
15" x 12"

SCREEN COLOR
Blue or Gray

SCREEN TYPE
Rear Projection, Nonglare

POSITIONING CONTROLS
Fingertip Handle

OPTICAL SYSTEM
Constant Focus Floating Lens
107% Blowback

RATED LAMP LIFE
250 Hours (Minimum)

POWER REQUIREMENT
110-120 VAC 50/60 Hz

CONSTRUCTION MATERIAL
Plastic and Aluminum

WEIGHT AND DIMENSIONS
Model 1450: 30 lbs.
22" H, 18 1/2" W, 23" D
Model 1451: 39 lbs.
22" H, 29" W, 23" D

OTHER FEATURES
Ball Bearing Carrier
Heat Sink Design
UL Approved

ACCESSORIES
Interchangeable Lenses
Adjustable Legs
Dust Cover

WARRANTY PERIOD
90 Days

LIST PRICE
Model 1450: $245.00
Model 1451: $295.00
(Rental Available)

GSA SCHEDULE
Model 1450: $230.30
Model 1451: N/A

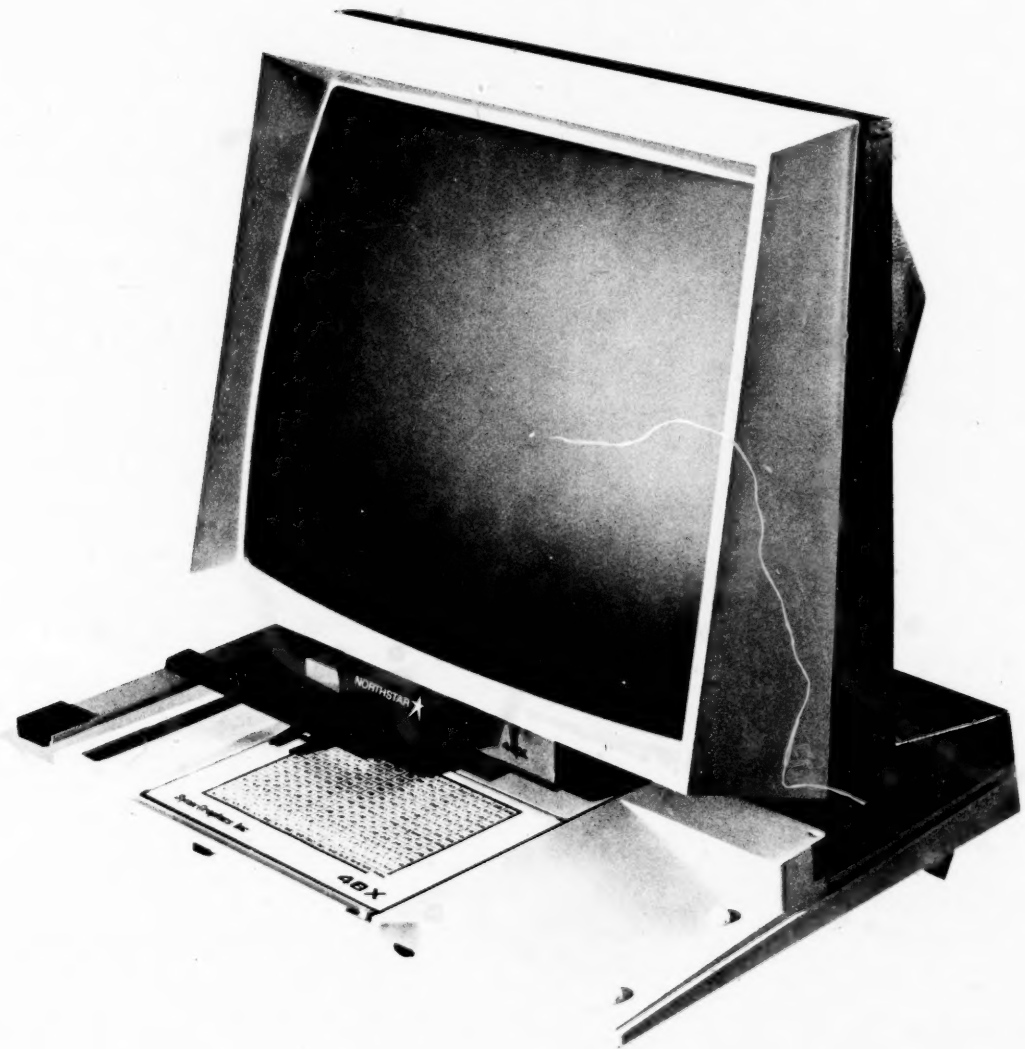
READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST



SYNER GRAPHICS Northstar 105

MANUFACTURER/DISTRIBUTOR
Syner Graphics

ADDRESS
Transamerica Pyramid
P. O. Box 7958
San Francisco, California 94120

MODEL
Northstar 105

LENSES AVAILABLE
24X, 42X, or 48X
24X/42X or 24X/48X

FICHE SIZES ACCEPTED
105mm x 148mm

SCREEN SIZE
14" x 11"

SCREEN COLOR
Blue, Gray, or Green

SCREEN TYPE
Convex Rear Projection
Antiglare

POSITIONING CONTROLS
Fingertip Handle

OPTICAL SYSTEM
150 Watt Quartz Halogen Lamp
Heat Filter

RATED LAMP LIFE
100 Hours

POWER REQUIREMENT
117 VAC 50/60 Hz, 165 Watts or
240 VAC 50 Hz

CONSTRUCTION MATERIAL
High-Impact Plastic

WEIGHT AND DIMENSIONS
20 lbs.
18" H, 17 1/2" W, 15" D

OTHER FEATURES
High-Low Lamp Intensity
Auto-Opening Carrier

ACCESSORIES
6" x 7 1/2" Carrier

WARRANTY PERIOD
1 Year (Except Lamp)

LIST PRICE
Single Lens: $275.00
Dual Lens: $325.00

GSA SCHEDULE
N/A

READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST

TAYLOR-MERCHANT CORPORATION Ambient Hand Viewer

MANUFACTURER/DISTRIBUTOR
Taylor-Merchant Corporation

ADDRESS
25 West 45th Street
New York, New York 10036

MODEL
TMC Ambient Hand Viewer

LENSES AVAILABLE
16X or 12X

FICHE SIZES AC
105mm x 148mm

SCREEN SIZE
N/A

SCREEN COLOR
N/A

SCREEN TYPE
N/A

POSITIONING CONTROLS
Manual

OPTICAL SYSTEM
Doublet

RATED LAMP LIFE
N/A

POWER REQUIREMENT
N/A

CONSTRUCTION MATERIAL
High-Impact Plastic - Moulded and Aluminum

WEIGHT AND DIMENSIONS
6 ozs.
6" H, 2" W, 1 1/4" D

OTHER FEATURES
Pocket Size

ACCESSORIES
None

WARRANTY PERIOD
1 Year

LIST PRICE
16X - $21.95
12X - $19.95

GSA SCHEDULE
GS-00S-14665

READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST

TAYLOR-MERCHANT CORPORATION Battery Operated Hand Viewer

MANUFACTURER/DISTRIBUTOR
Taylor-Merchant Corporation

ADDRESS
25 West 45th Street
New York, New York 10036

MODEL
TMC Battery Operated Hand Viewer

LENSES AVAILABLE
16X or 12X

FICHE SIZES ACCEPTED
4" x 6"

SCREEN SIZE
N/A

SCREEN COLOR
N/A

SCREEN TYPE
N/A

POSITIONING CONTROLS
Manual

OPTICAL SYSTEM
Doublet

RATED LAMP LIFE
N/A

POWER REQUIREMENT
Penlite Batteries

CONSTRUCTION MATERIAL
High-Impact Plastic and Aluminum

WEIGHT AND DIMENSIONS
8 ozs.
4 1/2" H, 2 1/2" W, 2" D

OTHER FEATURES
Pocket Size

ACCESSORIES
None

WARRANTY PERIOD
1 Year

LIST PRICE
16X - $25.95
12X - $23.95

GSA SCHEDULE
GS-00S-14665

READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST

TAYLOR-MERCHANT CORPORATION Model 300XF Micro Projector

MANUFACTURER/DISTRIBUTOR
Taylor-Merchant Corporation

ADDRESS
25 West 45th Street
New York, New York 10036

MODEL
#300XP Micro Projector

LENSES AVAILABLE
2.8 - 60mm

FICHE SIZES ACCEPTED
105mm x 148mm

SCREEN SIZE
Variable

SCREEN COLOR
N/A

SCREEN TYPE
N/A

POSITIONING CONTROLS
Manual, Coordinate Index Guide

OPTICAL SYSTEM
Direct Projection

RATED LAMP LIFE
75 Hours

POWER REQUIREMENT
110 Volts

CONSTRUCTION MATERIAL
Diecast Aluminum

WEIGHT AND DIMENSIONS
3 lbs.
6" H, 3" W, 8" D

OTHER FEATURES
Fan Cooled

ACCESSORIES
Slide Adapter
Filmstrip Adapter
Case

WARRANTY PERIOD
3 Months

LIST PRICE
$77.50

GSA SCHEDULE
GS-00S-14665

READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST

TELEDYNE POST Model 2500

MANUFACTURER/DISTRIBUTOR
Teledyne Post

ADDRESS
P.O. Box 803
Chicago, Illinois 60690

MODEL
2500

LENSES AVAILABLE
18X, 21X, 24X or 30X

FICHE SIZES ACCEPTED
Up to 7.48" x 7.48"

SCREEN SIZE
14" x 11"

SCREEN COLOR
Gray, Green, or Blue

SCREEN TYPE
Plastic, Rear Projection

POSITIONING CONTROLS
Front Mounted

OPTICAL SYSTEM
Variable Light Control

RATED LAMP LIFE
900 Hours - Low
700 Hours - Medium
400 Hours - High

POWER REQUIREMENT
115 VAC 50/60 Hz

CONSTRUCTION MATERIAL
Metal

WEIGHT AND DIMENSIONS
42 lbs.
17 1/2" H, 14" W, 15" D

OTHER FEATURES
UL Approved

ACCESSORIES
Swivel Base

WARRANTY PERIOD
90 Days
Except Lamp and Glass Components

LIST PRICE
$249.00

GSA SCHEDULE
N/A

READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST

ing an example in which the axiom of choice does not hold
but the other axioms of set theory do. Thus, to Godel's proof
that the axiom of choice cannot be disproved is added the fact
result that it cannot be proved. Cohen also added the fact
that the continuum hypothesis cannot be proved to Godel's
discovery that it cannot be disproved. Thus two of the vexing
questions of the foundations have been solved within the
realm of axiomatic set theory.

In the twentieth century a considerable amount of literature,
concerning the paradoxes has appeared, and numerous
attempts at a solution have been offered. Despite the vast
literature devoted to the paradoxes and the variety of ex-
planations offered for them, however, there is at present no
one explanation which is universally accepted.

If the paradoxes discussed in the last chapter are examined
carefully, it will be seen that most of them involve a set S
and a member m of S whose definition depends upon S. Such
a definition is called impredicative. Russell's paradox is a
good example of an impredicative procedure, and his pa-
radox is a
pularized barber paradox points this out in a very
lucid way. If S denotes the set of all members of the village
and m denotes the barber, then m is defined impredicatively
as "that member of S who shaves all those members and only
those members of S who do not shave themselves." The
definition of the barber involves the members of the village
and the barber himself is a member of the village.

Henri Poincare, whose views will be discussed later in con-
nection with the intuitionist school of mathematics, con-
sidered the cause of the paradoxes to lie in impredicative
definitions. Russell enunciated the same explanation in his
vicious circle principle: no set can contain members defin-
able only in terms of this set. Outlawing impredicative definitions
supposing this set. Outlawing impredicative definitions
would rid set theory of the paradoxes dependent on such
definitions. Parts of mathematics which mathematicians would
be extremely reluctant to discard, however, also contain
impredicative definitions. For example, the least upper

MANUFACTURER/DISTRIBUTOR
Visidyne

ADDRESS
19 Third Avenue
Northwest Industrial Park
Burlington, Massachusetts 01803

MODEL
Handbook

LENSES AVAILABLE
20X or 24X

FICHE SIZES ACCE!
105mm x 148mm

SCREEN SIZE
5 1/2" x 7 1/2"

SCREEN COLOR
Neutral

SCREEN TYPE
Nonglare, Rear Projection

POSITIONING CONTROLS
Manual Move Carrier
X-Y Index

OPTICAL SYSTEM
75% Blowback

RATED LAMP LIFE
Not Available

POWER REQUIREMENT
117 VAC
12 DC
Battery Pack

CONSTRUCTION MATERIAL
Plastic

WEIGHT AND DIMENSIONS
2 1/2 lbs.
8" H, 7" W, 3 1/2" D

OTHER FEATURES
- -

ACCESSORIES
Battery Pack
12-Volt

WARRANTY PERIOD
120 Days (Except Lamp)

LIST PRICE
$50.00 (Available 1974)

GSA SCHEDULE
N/A

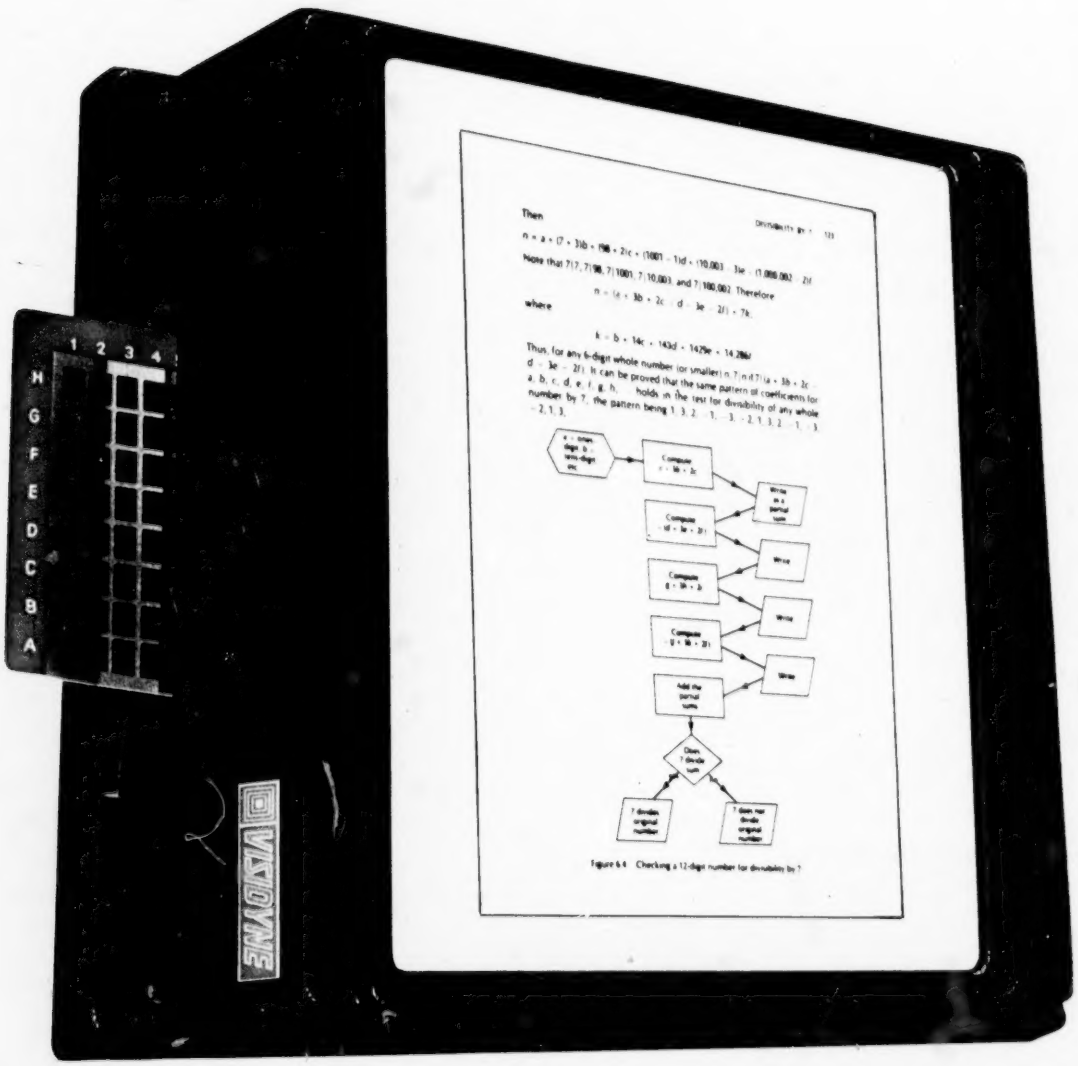
READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST



VISIDYNE Voyager I

MANUFACTURER/DISTRIBUTOR
Visidyne

ADDRESS
19 Third Avenue
Northwest Industrial Park
Burlington, Massachusetts 01803

MODEL
Voyager I

LENSES AVAILABLE
20X or 24X
42X (Optional)

FICHE SIZES ACCEPTED
105mm x 148mm

SCREEN SIZE
7" x 9 1/2"

SCREEN COLOR
Neutral

SCREEN TYPE
Nonglare, Rear Projection

POSITIONING CONTROLS
Manual Move Carrier
X-Y Index

OPTICAL SYSTEM
36 Watt Lamp
Auto Focus System

RATED LAMP LIFE
Not Available

POWER REQUIREMENT
117 VAC 50/60 Hz

CONSTRUCTION MATERIAL
High-Impact Plastic

WEIGHT AND DIMENSION
5 lbs.
10 1/2" H, 11" W, 4" D

OTHER FEATURES
Handle

ACCESSORIES
None

WARRANTY PERIOD
120 Days (Except Lamp)

LIST PRICE
$150.00

GSA SCHEDULE
N/A

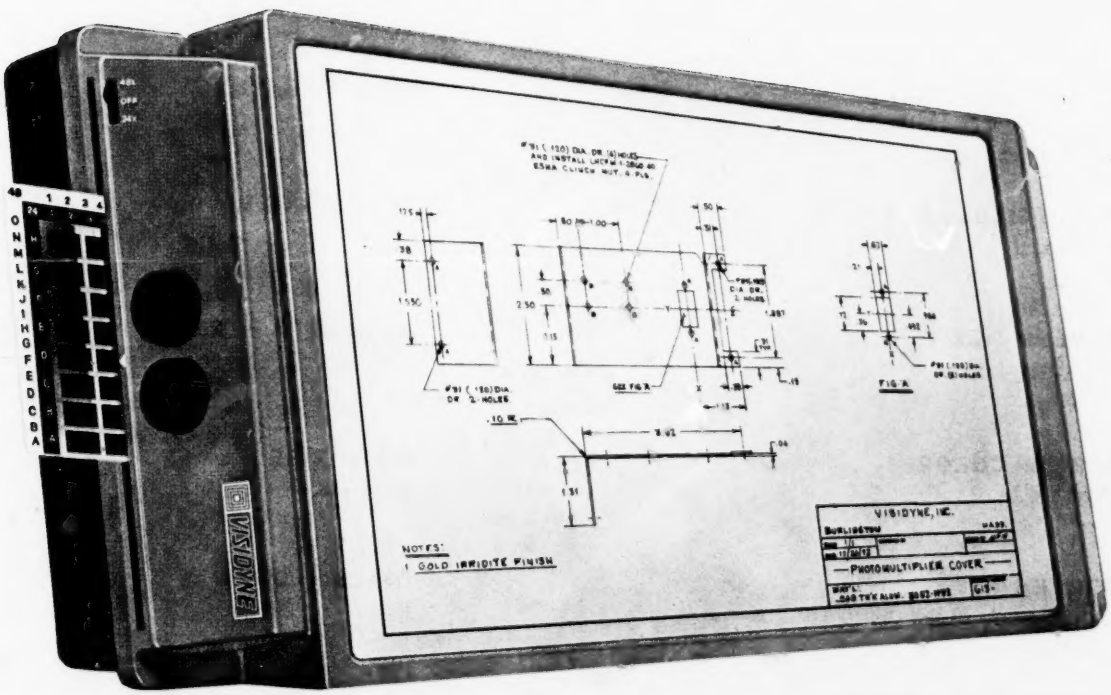
READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST



VISIDYNE Specialyst

MANUFACTURER/DISTRIBUTOR
Visidyne

ADDRESS
19 Third Avenue
Northwest Industrial Park
Burlington, Massachusetts 01803

MODEL
Specialyst

LENSES AVAILABLE
Dual 24X and 48X

FICHE SIZES ACCEPTED
105mm x 148mm

SCREEN SIZE
15 1/2" x 10"

SCREEN COLOR
Neutral

SCREEN TYPE
Rear Projection

POSITIONING CONTROLS
Easy Move Carrier
with X-Y Index

OPTICAL SYSTEM
Dual Optics

RATED LAMP LIFE
Not Available

POWER REQUIREMENT
120 VAC 60 Hz or
220-240 VAC 50 Hz

CONSTRUCTION MATERIAL
High-Impact Plastic

WEIGHT AND DIMENSIONS
17 lbs.
11" H, 18 1/2" W, 11 1/2" D

OTHER FEATURES
Lens Selector Switch

ACCESSORIES
None

WARRANTY PERIOD
120 Days (Except Lamp)

LIST PRICE
$300.00

GSA SCHEDULE
N/A

READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST

WSI MICROGRAPHICS INFORMANT Model IF

MANUFACTURER/DISTRIBUTOR
WSI Micrographics

ADDRESS
Washington Scientific Industries, Inc.
Long Lake, Minnesota 55356

MODEL
INFORMANT Model IF

LENSES AVAILABLE
24X or 32X

FICHE SIZES ACCEPTED
105mm x 148mm

SCREEN SIZE
9" x 11"

SCREEN COLOR
White

SCREEN TYPE
MAGNIRAMA Front Projection

POSITIONING CONTROLS
X-Y Indexing, Manual

OPTICAL SYSTEM
Heat Filtering Optics

RATED LAMP LIFE
450 Hours

POWER REQUIREMENT
117 VAC 50/60 Hz

CONSTRUCTION MATERIAL
High-Impact Plastic Case with
Metal Chassis

WEIGHT AND DIMENSIONS
8 lbs.
Closed: 4 1/2" H, 11 1/4" W, 10" D
Open: 9 1/2" H, 11 1/4" W, 14" D

OTHER FEATURES
Portable with Handle
12V Auto Adaptor (Optional)

ACCESSORIES
12V Battery in Separate Case
12V Battery (Built-in)

WARRANTY PERIOD
90 Days

LIST PRICE
$149.00

GSA SCHEDULE
N/A

READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST

WSI MICROGRAPHICS MINI-CAT Model MC

MANUFACTURER/DISTRIBUTOR
WSI Micrographics

ADDRESS
Washington Scientific Industries, Inc.
Long Lake, Minnesota 55356

MODEL
MINI-CAT Model MC

LENSES AVAILABLE
24X, 42X and 48X

FICHE SIZES ACCEPTED
105mm x 148mm

SCREEN SIZE
14" x 11"

SCREEN COLOR
White

SCREEN TYPE
MAGNIRAMA
Front Projection

POSITIONING CONTROLS
X-Y Indexing, Manual

OPTICAL SYSTEM
Heat Filtering Optics

RATED LAMP LIFE
500 Hours High
1200 Hours Normal

POWER REQUIREMENT
117 VAC 50/60 Hz

CONSTRUCTION MATERIAL
High-Impact Plastic Case with
Metal Chassis

WEIGHT AND DIMENSIONS
22 1/2 lbs.
23 1/2" H, 18" W, 17" D

OTHER FEATURES
Available with a Dual Lens System
High and Low Lamp Switch

ACCESSORIES
None

WARRANTY PERIOD
90 Days

LIST PRICE
Single Lens $199.00
Dual Lens $249.00

GSA SCHEDULE
Single Lens $169.15
Dual Lens $211.65

READER-PRINTER (If applicable)

PROCESS

PRINT SPEED

PRINT SIZE

PRINT COST